STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3
AMENDED REPORT ☑

APPLICATION FOR PERMIT TO DRILL		1. WELL NAME and NUMBER: NBU 922-33ET
2. TYPE OF WORK: DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○		3. FIELD OR WILDCAT: NATURAL BUTTES
4. TYPE OF WELL: Gas Well Coalbed Methane Well: NO		5. UNIT or COMMUNITIZATION AGREEMENT NAME: NATURAL BUTTES
6. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. OPERATOR PHONE: 720 929-6587
8. ADDRESS OF OPERATOR: P.O. Box 173779, Denver, CO, 80217		9. OPERATOR E-MAIL: mary.mondragon@anadarko.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE): UTU-01191A	11. MINERAL OWNERSHIP: FEDERAL ◉ INDIAN ○ STATE ○ FEE ○	12. SURFACE OWNERSHIP: FEDERAL ◉ INDIAN ○ STATE ○ FEE ○
13. NAME OF SURFACE OWNER (if box 12 = 'fee')		14. SURFACE OWNER PHONE (if box 12 = 'fee')
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		16. SURFACE OWNER E-MAIL (if box 12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS: YES ○ (Submit Commingling Application) NO ◉	19. SLANT: VERTICAL ◉ DIRECTIONAL ○ HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	2446 FNL 673 FWL	SWNW	33	9.0 S	22.0 E	S
Top of Uppermost Producing Zone	2446 FNL 673 FWL	SWNW	33	9.0 S	22.0 E	S
At Total Depth	2446 FNL 673 FWL	SWNW	33	9.0 S	22.0 E	S

21. COUNTY: UINTAH	22. DISTANCE TO NEAREST LEASE LINE (Feet): 673	23. NUMBER OF ACRES IN DRILLING UNIT: 1363
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed): 20	26. PROPOSED DEPTH: MD: 9000 TVD:
27. ELEVATION - GROUND LEVEL: 4935	28. BOND NUMBER: WYB000291	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE: Water permit # 43-8496

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORCANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	☑ COMPLETE DRILLING PLAN
☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
☐ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	☑ TOPOGRAPHICAL MAP

NAME: Kevin McIntyre	TITLE: Regulatory Analyst I	PHONE: 720 929-6226
SIGNATURE	DATE: 09/03/2008	EMAIL: Kevin.McIntyre@anadarko.com

API NUMBER ASSIGNED	APPROVAL
43047500800000	Permit Manager

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Surf	12.25	9.625	0	2100		
Pipe	**Grade**	**Length**	**Weight**			
	Grade J-55 LT&C	2100	36.0			
	Cement Interval	**Top (MD)**	**Bottom (MD)**			
		0	2100			
		Cement Description	**Class**	**Sacks**	**Yield**	**Weight**
			Premium Foamed Cement	215	1.18	15.6

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Prod	7.875	4.5	0	9000		
Pipe	**Grade**	**Length**	**Weight**			
	Grade I-80 LT&C	9000	11.6			
	Cement Interval	**Top (MD)**	**Bottom (MD)**			
		0	9000			
		Cement Description	**Class**	**Sacks**	**Yield**	**Weight**
			Premium Lite High Strength	430	3.38	11.0
			Pozzuolanic Cement	1430	1.31	14.3

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP	DATE	August 15, 2008		
WELL NAME	NBU 922-33ET	TD	9,000' MD/TVD		
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah	ELEVATION	4,935' GL KB 4,950'
SURFACE LOCATION	SWNW 2446' FNL & 673' FWL, SEC. 33, T9S, R22E			BHL	Straight Hole
	Latitude: 39.993117	Longitude: -109.451336	NAD 27		
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: BLM (MINERALS & SURFACE), UDOGM, Tri-County Health Dept.				

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'	14"		
			12-1/4"	9-5/8", 36#, J-55, LTC	Air mist
Catch water sample, if possible, from 0 to 4,393'					
	Green River @	1,181'			
	Top of Birds Nest Water @	1515'			
	Mahogany @	2,004'			
	Preset f/ GL @	2,100' MD			
Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the acutal depth of the loss zone.					
					Water/Fresh Water Mud
Mud logging program TBD					
Open hole logging program f/ TD - surf csg			7-7/8"	4-1/2",11.6#, I-80 or equivalent LTC casing	8.3-10.0 ppg
	Wasatch @	4,393'			
	Mverde @	6,849'			
	MVU2 @	7,774'			
	MVL1 @	8,389'			
					Max anticipated Mud required 11.7 ppg
	TD @	9,000'			

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
						3520	2020	453000
SURFACE	9-5/8"	0 to 2100	36.00	J-55	LTC	1.01	2.06	7.63
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 9000	11.60	I-80	LTC	2.23	1.16	2.21

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)

2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 11.7 ppg) .22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 3600 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		**NOTE: If well will circulate water to surface, option 2 will be utilized**					
Option 2	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,890'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	430	60%	11.00	3.38
	TAIL	5,110'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1430	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utililzed.

DRILLING ENGINEER: _____ **DATE:** _____

Brad Laney

DRILLING SUPERINTENDENT: _____ **DATE:** _____

Randy Bayne

NBU 922-33ET
Twin to CIGE 109D
SWNW Sec. 33, T9S,R22E
UINTAH COUNTY, UTAH
UTU-01191A

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers:**

Formation	Depth
Uinta	0- Surface
Green River	1181'
Bird's Nest	1515'
Mahogany	2004'
Wasatch	4393'
Mesaverde	6849'
MVU2	7774'
MVL1	8389'
TD	9000'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

Substance	Formation	Depth
	Green River	1181'
	Bird's Nest	1515'
	Mahogany	2004'
Gas	Wasatch	4393'
Gas	Mesaverde	6849'
Gas	MVU2	7774'
Gas	MVL1	8389'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. **Proposed Casing & Cementing Program:**

Please see the Natural Buttes Unit SOP.

5. **Drilling Fluids Program:**

Please see the Natural Buttes Unit SOP.

6. Evaluation Program:

Please see the Natural Buttes Unit SOP.

7. Abnormal Conditions:

Maximum anticipated bottomhole pressure calculated at 9000' TD, approximately equals 5580 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3600 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

9. Variances:

Please see Natural Buttes Unit SOP Onshore Order #2 – Air Drilling Variance
Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2

- *Blowout Prevention Equipment (BOPE) requirements;*
- *Mud program requirements; and*
- *Special drilling operation (surface equipment placement) requirements associated with air drilling.*

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background
In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet. The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 12-1/4 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 12-1/4 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 9-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements
The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements
Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements
Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

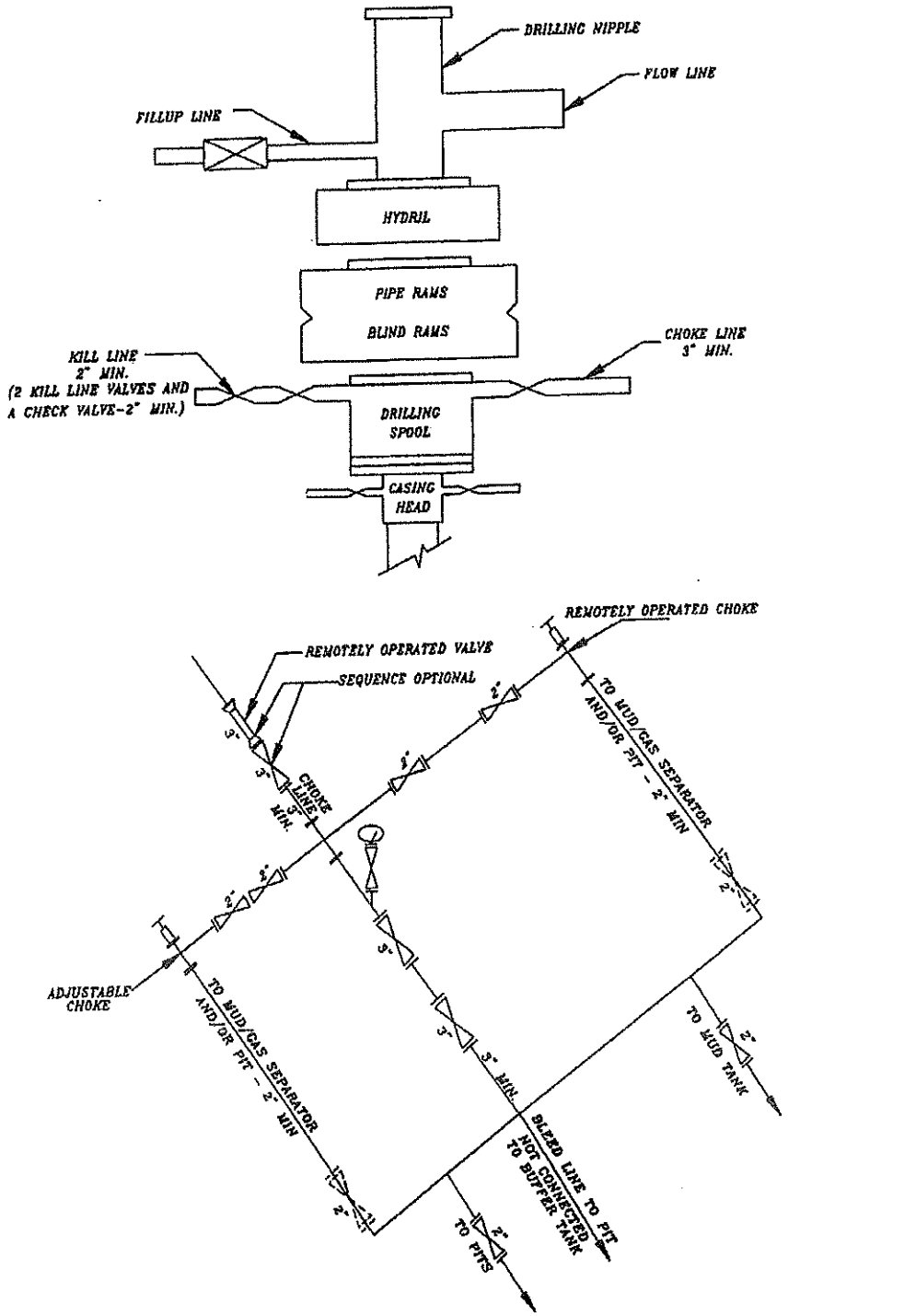
Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

Conclusion
The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above..

10. Other Information:

Please see Natural Buttes Unit SOP.

EXHIBIT A



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

NBU 922-33ET
Twin to CIGE 109D
SWNW Sec. 33 ,T9S,R22E
UINTAH COUNTY, UTAH
UTU-01191A

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

   Refer to the attached location directions.

   Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. **Planned Access Roads:**

   No new access road is planned, as this is a twin location. Refer to Topo Map B.

   Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.

   Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

3. **Location of Existing Wells Within a 1-Mile Radius:**

   Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities:**

   No new pipeline, as we will be utilizing the existing CIGE #109D pipeline. No TOPO D attached.

   Please see the Natural Buttes Unit SOP.

   Variances to Best Management Practices (BMPs) Requested:

   All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

   Interim Surface Reclamation Plan:

   This exception is requested due to the current twin and multi-well program. If determined that this well will not be a candidate for either twinning &/or multi-well the operator shall spread the topsoil pile on the location up to the rig anchor points. The location will be reshaped to the

original contour to the extent possible. The operator will reseed the area using the BLM recommended seed mixture and reclamation methods.

5. **Location and Type of Water Supply:**

Please see the Natural Buttes SOP.

6. **Source of Construction Materials:**

Please see the Natural Buttes SOP.

7. **Methods of Handling Waste Materials:**

Please see the Natural Buttes SOP.

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 20 mil thick and felt, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E, Pipeline Facility Sec. 36, T9S, R20E,Goat Pasture Evaporation Pond SW/4 Sec. 16, T10S, R22E, Bonanza Evaporation Pond Sec. 2, T10S, R23E *(Request is in lieu of filing Form 3160-5, after initial production).*

8. **Ancillary Facilities:**

Please see the Natural Buttes SOP.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. Plans for Reclamation of the Surface:

Please see the Natural Buttes SOP.

upon reclamation of the pit the following seed mixture will be used. A total of 12 lbs/acre will be used if the seeds are drilled (24 lbs/acre if the seeds are broadcast). The per acre requirements for ***drilled*** seed are:

Crested Wheatgrass 12 lbs.

Operator shall call the BLM for the seed mixture when final reclamation occurs.

11. Surface/Mineral Ownership:

The well pad, access road, pipeline and mineral ownership are listed below:

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435)781-4400

12. Stipulations/Notices/Mitigation:

No Stipulations at this well location.

13. Other Information:

A Class III archaeological survey and a paleontological survey have been performed and will be submitted.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

14. Lessee's or Operator's Representative & Certification:

Kevin McIntyre
Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
P.O. Box 173779
Denver, CO 80217-3779
(720) 929-6226

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by BLM Nationwide Bond #WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Kevin McIntyre

8/15/2008
Date

Kerr-McGee Oil & Gas Onshore LP

NBU #922-33ET

SECTION 33, T9S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 4.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 2.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.0 MILES TO THE BEGINNING OF THE EXISTING ACCESS ROAD TO THE SOUTHEAST; PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 55.4 MILES.

API Well No: 43047500800000

KERR-MCGEE OIL & GAS ONSHORE LP

NBU #922-33ET

LOCATED IN UINTAH COUNTY, UTAH
SECTION 33, T9S, R22E, S.L.B.&M.

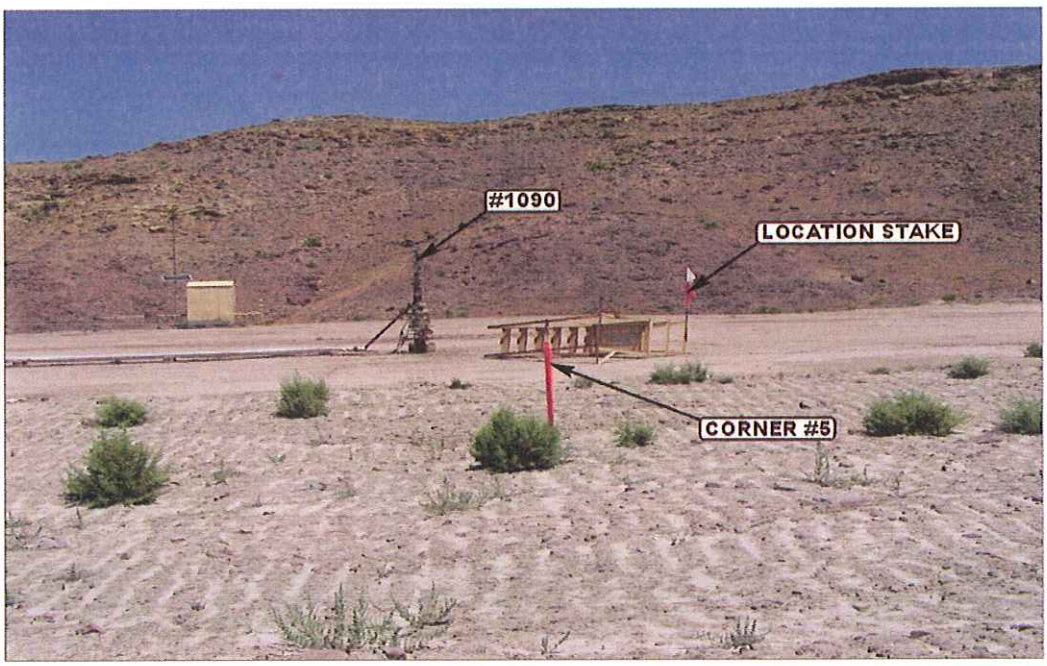


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE — CAMERA ANGLE: NORTHEASTERLY

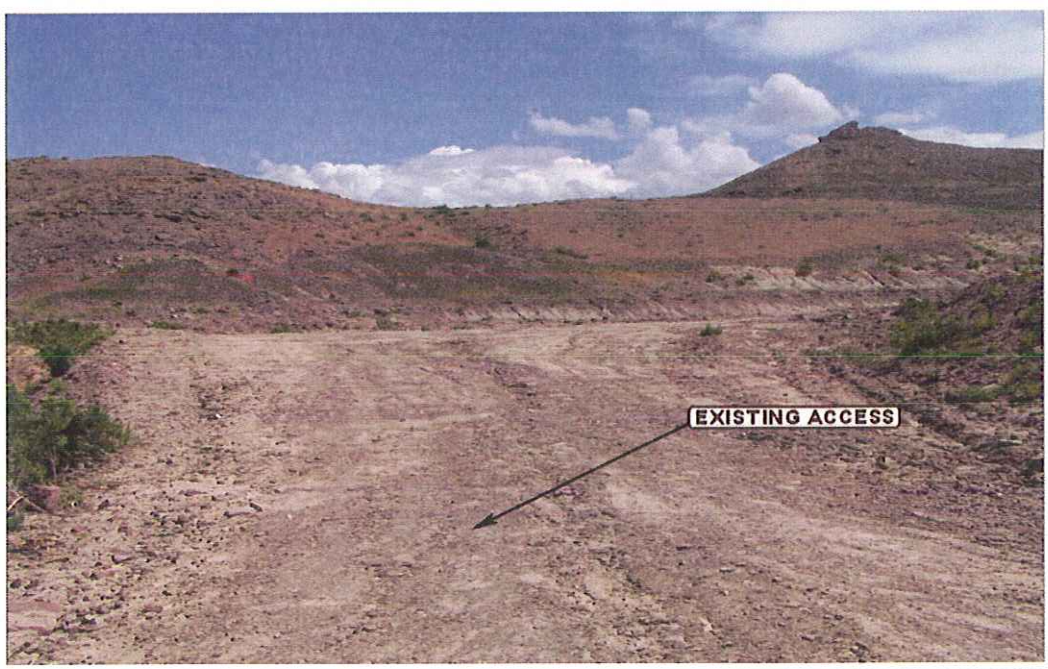
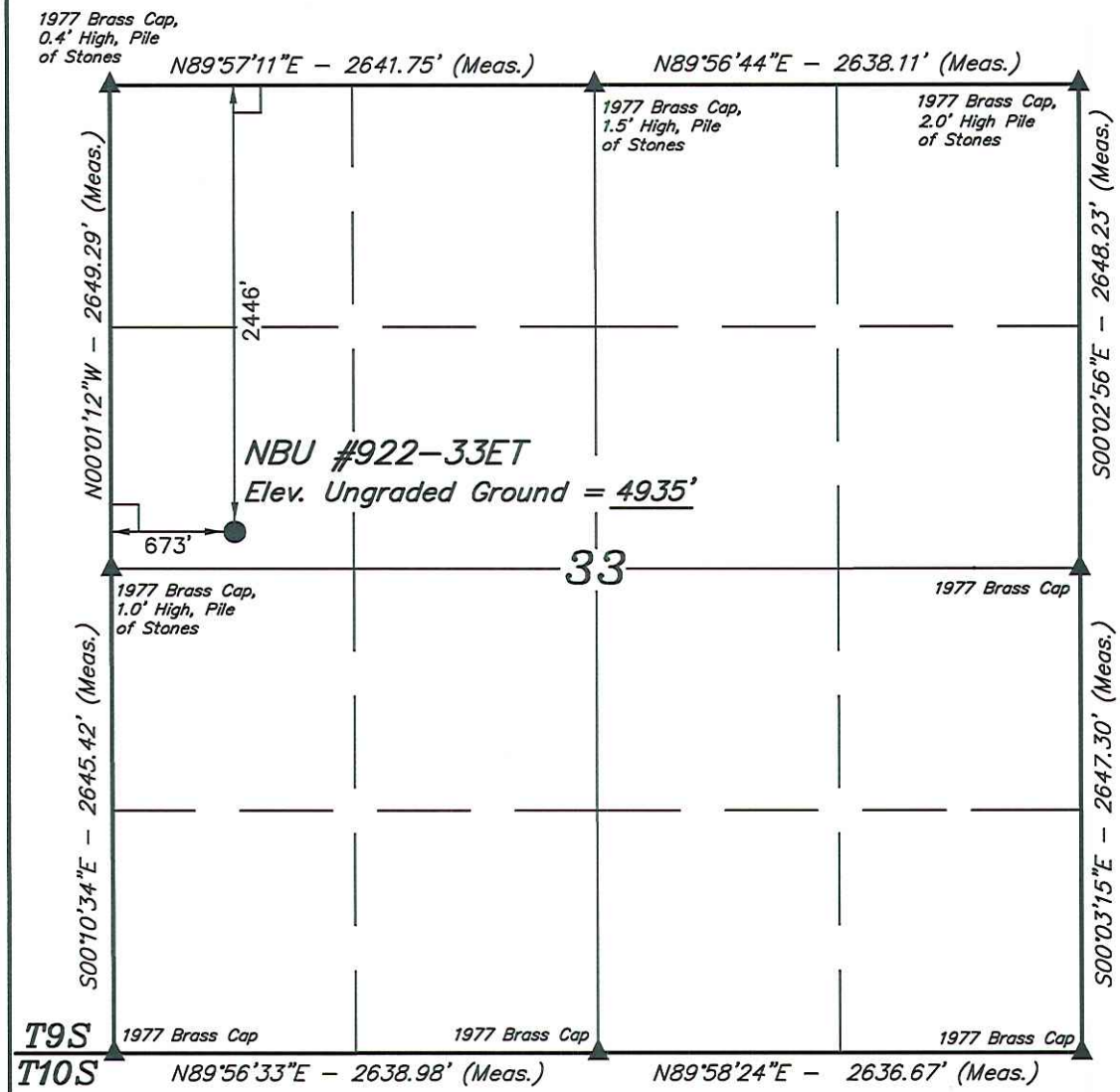


PHOTO: VIEW OF EXISTING ACCESS — CAMERA ANGLE: SOUTHEASTERLY

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

LOCATION PHOTOS	07 MONTH	07 DAY	08 YEAR	PHOTO
TAKEN BY: D.K.	DRAWN BY: J.J.	REVISED: 08-08-08		

T9S, R22E, S.L.B.&M.



Kerr–McGee Oil & Gas Onshore LP

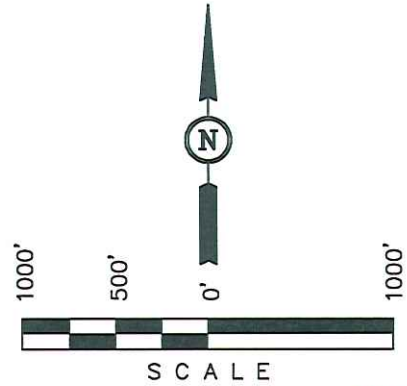
Well location, NBU #922–33ET, located as shown in the SW 1/4 NW 1/4 of Section 33, T9S, R22E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REGISTERED LAND SURVEYOR No. 161319 ROBERT KAY STATE OF UTAH

(NAD 83)
LATITUDE = 39°59'35.09" (39.993081)
LONGITUDE = 109°27'07.27" (109.452019)
(NAD 27)
LATITUDE = 39°59'35.22" (39.993117)
LONGITUDE = 109°27'04.81" (109.451336)

LEGEND:

└ = 90° SYMBOL
● = PROPOSED WELL HEAD.
▲ = SECTION CORNERS LOCATED.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789–1017

SCALE: 1" = 1000'	DATE SURVEYED: 08–03–08	DATE DRAWN: 08–08–08
PARTY: D.K. C.K. S.L.	REFERENCES: G.L.O. PLAT	
WEATHER: WARM	FILE: Kerr–McGee Oil & Gas Onshore LP	

API Well No: 43047500800000

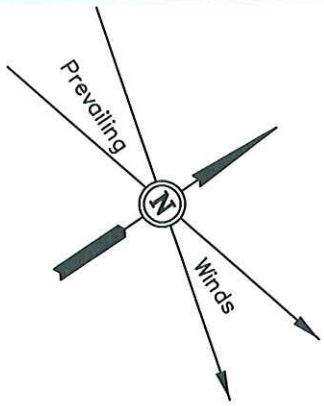
Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

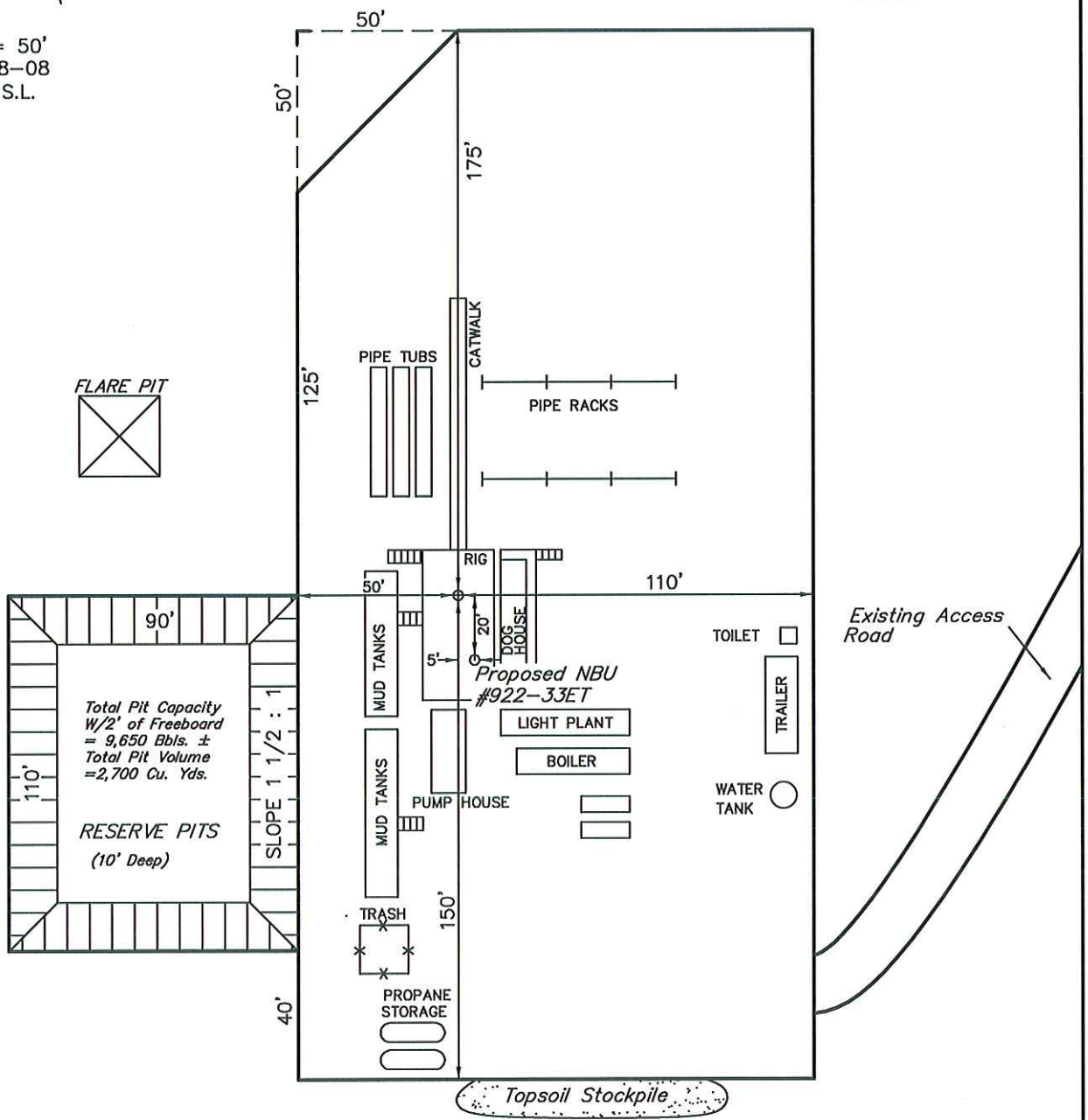
LOCATION LAYOUT FOR

NBU #922-33ET
SECTION 33, T9S, R22E, S.L.B.&M.
2446' FNL 673' FWL

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L.
STATE OF UTAH



SCALE: 1" = 50'
DATE: 08-08-08
Drawn By: S.L.

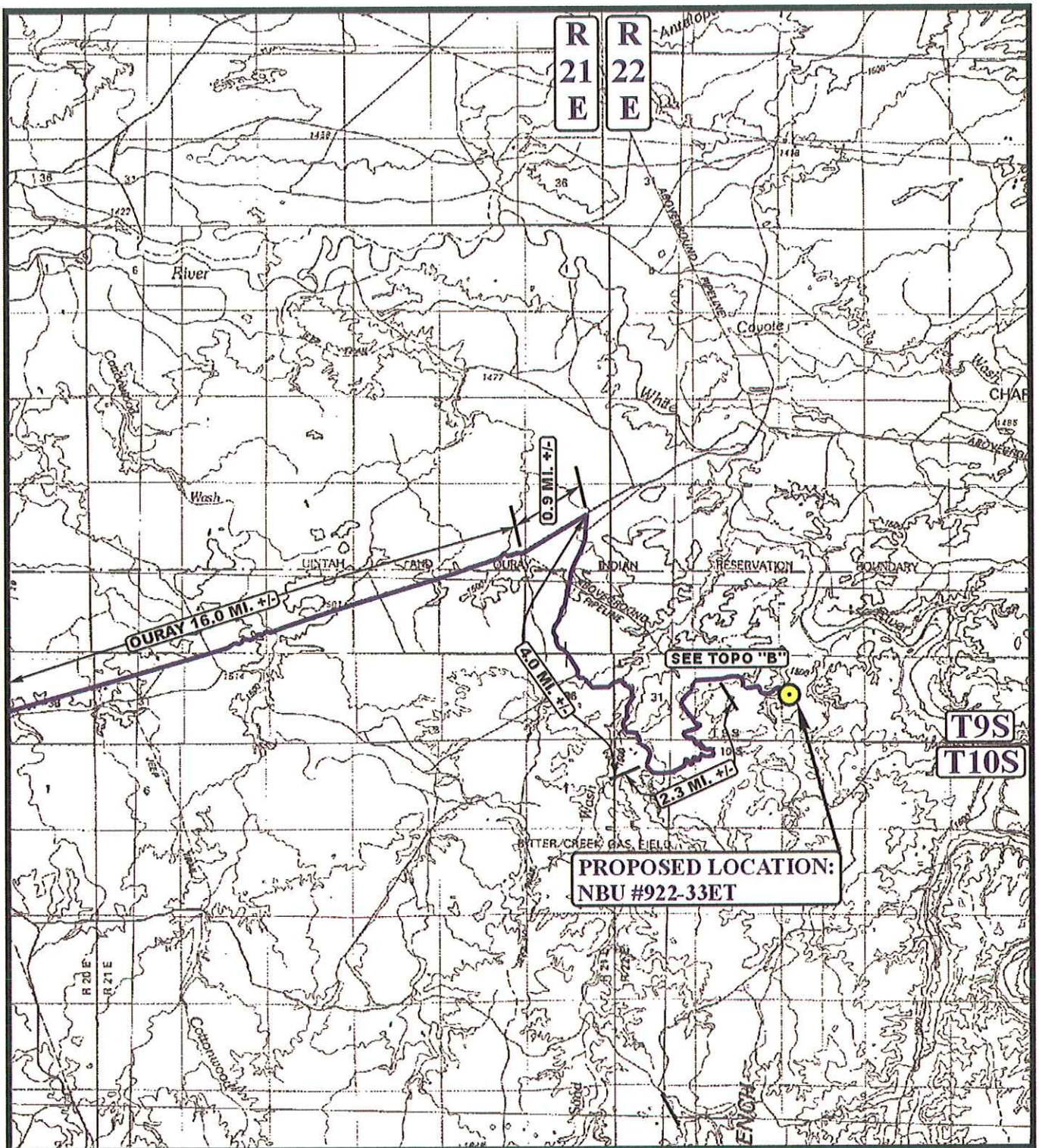


NOTES:

FINISHED GRADE ELEV. AT LOC. STAKE = 4936.6'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

API Well No: 43047500800000



LEGEND:

PROPOSED LOCATION

N

Kerr-McGee Oil & Gas Onshore LP

NBU #922-33ET

SECTION 33, T9S, R22E, S.L.B.&M.

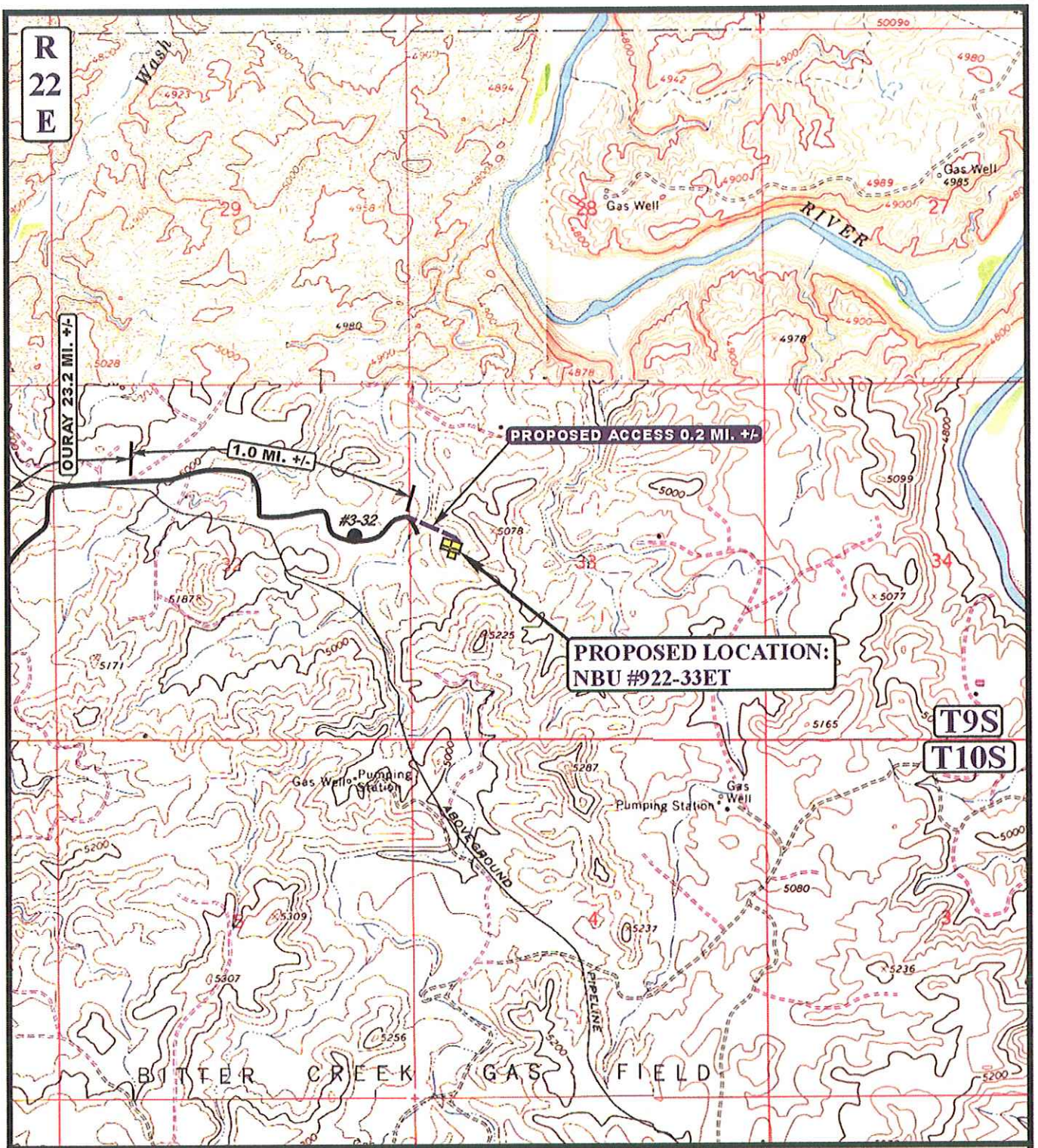
2446' FNL 679' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 07 MONTH | 07 DAY | 08 YEAR | A TOPO

SCALE: 1:100,000 | DRAWN BY: J.J. | REVISED: 08-08-08

API Well No: 43047500800000



LEGEND:

EXISTING ROAD

PROPOSED ACCESS

N

Kerr-McGee Oil & Gas Onshore LP

NBU #922-33ET

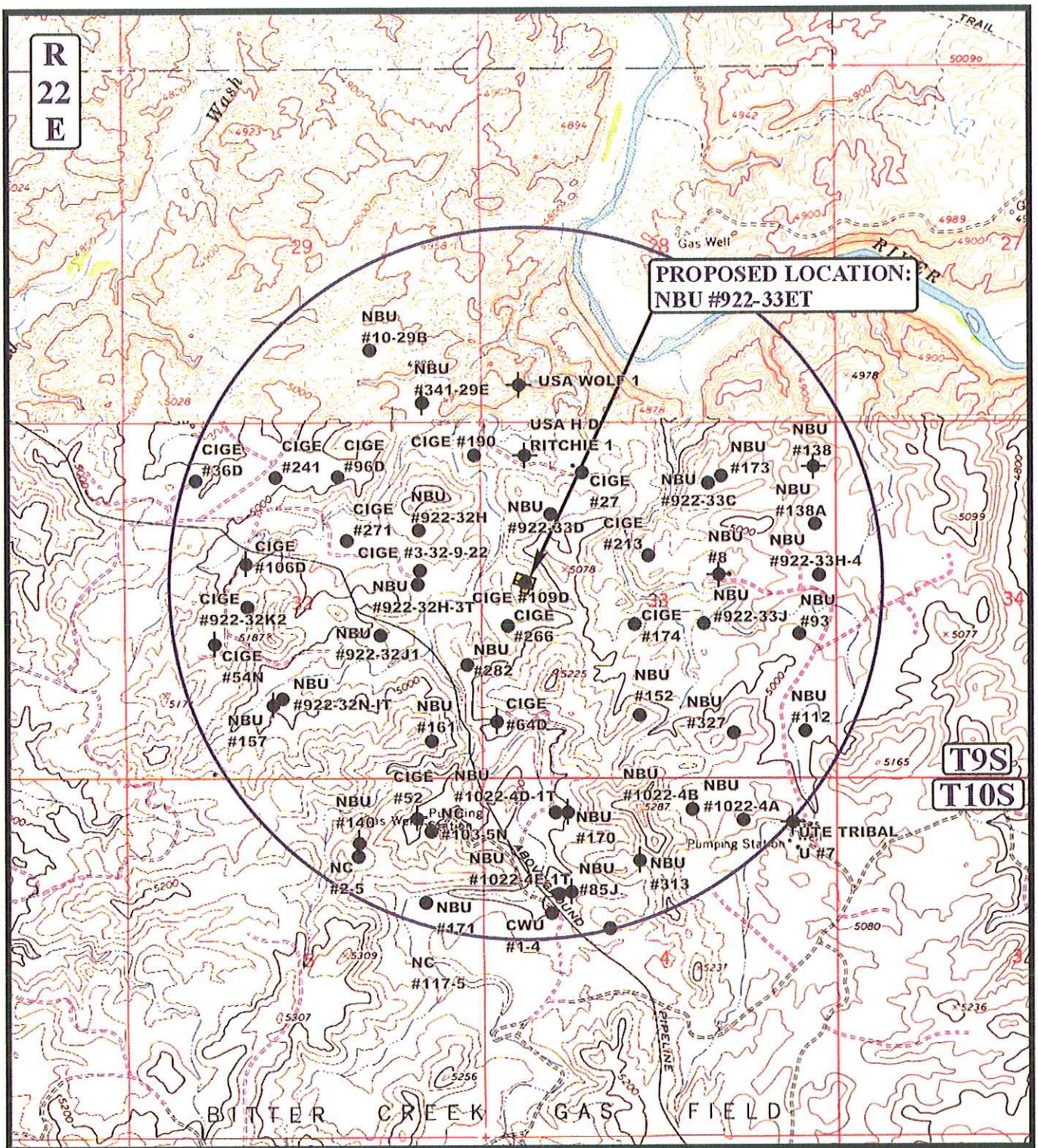
SECTION 33, T9S, R22E, S.L.B.&M.

2446' FNL 679' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	07 MONTH	07 DAY	08 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: J.J.	REVISED: 08-08-08		

API Well No: 43047500800000



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

Kerr-McGee Oil & Gas Onshore LP

NBU #922-33ET

SECTION 33, T9S, R22E, S.L.B.&M.

2446' FNL 679' FWL

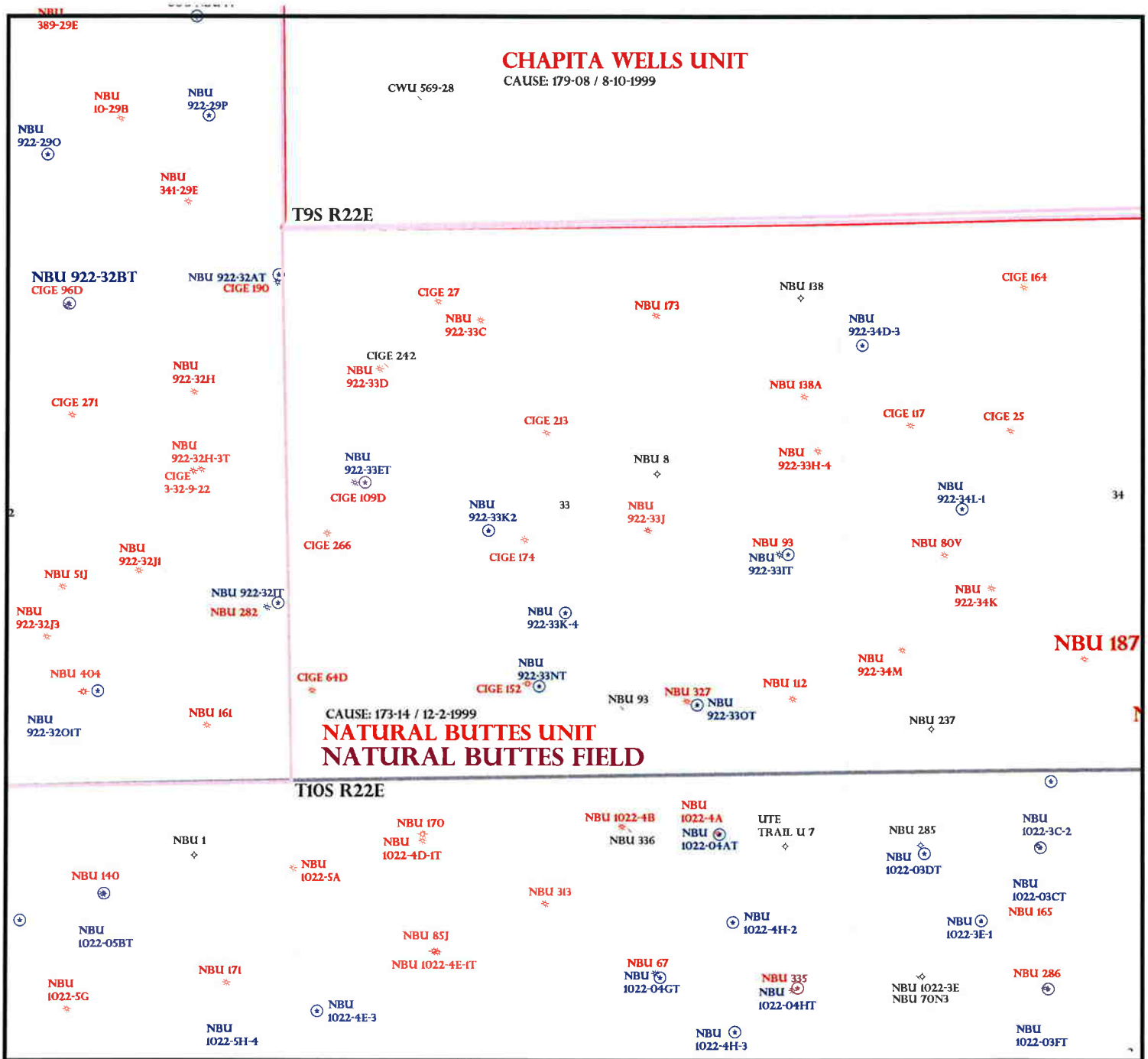
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 07 MONTH | 07 DAY | 08 YEAR

SCALE: 1" = 2000' | DRAWN BY: J.J. | REVISED: 08-08-08

C TOPO

API Well No: 43047500800000



OPERATOR: KERR MCGEE O&G (N2995)

SEC: 33 T.9S R. 22E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

UTAH DNR
OIL, GAS & MINING

N
W E
S

PREPARED BY: DIANA MASON
DATE: 26-AUGUST-2008

API Well No: 43047500800000

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

September 2, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2008 Plan of Development Natural Buttes Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Wasatch/MesaVerde)		
43-047-50098	NBU 1022-27A	Sec 27 T10S R22E 1058 FNL 0413 FEL
43-047-50095	NBU 1022-34E	Sec 34 T10S R22E 1687 FNL 1113 FWL
43-047-50094	NBU 1022-35M	Sec 35 T10S R22E 0683 FSL 1058 FWL
43-047-50093	NBU 1022-34F	Sec 34 T10S R22E 1632 FNL 2266 FWL
43-047-50080	NBU 922-33ET	Sec 33 T09S R22E 2446 FNL 0673 FWL
43-047-50084	NBU 1022-22N	Sec 22 T10S R22E 0515 FSL 2467 FWL
43-047-50086	NBU 1022-1P	Sec 01 T10S R22E 0310 FSL 0971 FEL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File – Natural Buttes Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:9-2-08

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 8/21/2008 **API NO. ASSIGNED:** 43047500800000

WELL NAME: NBU 922-33ET

OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. (N2995) **PHONE NUMBER:** 720 929-6226

CONTACT: Kevin McIntyre

PROPOSED LOCATION: SWNW 33 090S 220E **Permit Tech Review:** ☑

SURFACE: 2446 FNL 0673 FWL **Engineering Review:** ☐

BOTTOM: 2446 FNL 0673 FWL **Geology Review:** ☑

COUNTY: UINTAH

LATITUDE: 39.99309 **LONGITUDE:** -109.45123

UTM SURF EASTINGS: 632222.00 **NORTHINGS:** 4427929.00

FIELD NAME: NATURAL BUTTES

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-01191A **PROPOSED FORMATION:** WSMVD

SURFACE OWNER: 1 - Federal **COALBED METHANE:** NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** FEDERAL - WYB000291
- ☐ **Potash**
- ☑ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** Water permit # 43-8496
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

LOCATION AND SITING:

- ☐ **R649-2-3.**

  Unit: NATURAL BUTTES
- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

  Board Cause No: 173-14

  Effective Date: 12/22/1999

  Siting: 460' fr u bdry & uncomm. tract
- ☐ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason
17 - Oil Shale 190-5(b) - dmason

JON M. HUNTSMAN, JR.
Governor
GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: NBU 922-33ET
API Well Number: 43047500800000
Lease Number: UTU-01191A
Surface Owner: FEDERAL
Approval Date: 9/11/2008

Issued to:
KERR-MCGEE OIL & GAS ONSHORE, L.P. , P.O. Box 173779, Denver, CO 80217

Authority:
Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of CAUSE: 173-14.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with the Order in Cause No. 190-5(b) dated October 28, 1982, the operator shall comply with the requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operators shall ensure that the surface and or production casing is properly cemented over the entire oil shale section as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the division.

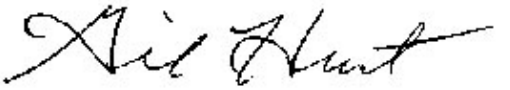
Notification Requirements:
Notify the Division with 24 hours of spudding the well.
- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.
- Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

API Well No: 43047500800000

Reporting Requirements:
All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

Approved By:



Gil Hunt
Associate Director, Oil & Gas

Form 3160-3
(August 2007)

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
VERNAL FIELD OFFICE
2008 NOV 22 PM 1 19

APPLICATION FOR PERMIT TO DRILL OR REENTER

DEPT OF THE INTERIOR
BUREAU OF LAND MGMT

1a. Type of work: ☑ DRILL ☐ REENTER	5. Lease Serial No. UTU-01191A
	6. If Indian, Allotee or Tribe Name N/A
	7. If Unit or CA Agreement, Name and No. 891008900A
1b. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Other ☐ Single Zone ☑ Multiple Zone	8. Lease Name and Well No. NBU 922-33ET
2. Name of Operator Kerr-McGee Oil & Gas Onshore, LP	9. API Well No. 43 047 50080
3a. Address P.O. Box 173779, Denver, CO 80217-3779 / 3b. Phone No. *(include area code)* 720.929.6226	10. Field and Pool, or Exploratory Natural Buttes Field
4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* At surface SWNW 2446' FNL & 673' FWL LAT 39.993117 LON -109.451336 (NAD 27) At proposed prod. zone N/A	11. Sec., T. R. M. or Blk. and Survey or Area Sec. 33, T 9S, R 22E
14. Distance in miles and direction from nearest town or post office* 24.2 miles northeast of Ouray, Utah	12. County or Parish Uintah / 13. State UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 673'	16. No. of acres in lease 1363.21	17. Spacing Unit dedicated to this well 40
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 20'	19. Proposed Depth 9000'	20. BLM/BIA Bond No. on file WYB000291
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4,935' GL	22. Approximate date work will start*	23. Estimated duration 10 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature	Name *(Printed Typed)* Kevin McIntyre	Date 08/15/2008
Title Regulatory Analyst I		
Approved by *(Signature)*	Name *(Printed Typed)* Jerry Kenczka	Date APR 24 2009
Title VERNAL FIELD OFFICE	Office Assistant Field Manager Lands & Mineral Resources	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached. CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

NOTICE OF APPROVAL

*(Instructions on page 2)

NOS APD posted 8-26-2008

AFMSS# 085KS0217A

RECEIVED
APR 29 2009
DIV. OF OIL, GAS & MINING

UDOGM

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-440(

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Kerr McGee Oil & Gas, LP**	**Location:**	**SWNW, Sec. 33, T9S, R22E**
Well No:	**NBU 922-33ET**	**Lease No:**	**UTU-01191A**
API No:	**43-047-50080**	**Agreement:**	**Natural Buttes Unit**

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist	Christine Cimiluca	(435) 781-4475	
NRS/Enviro Scientist	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist	Lori Ford	(435) 781-4406	
NRS/Enviro Scientist	David Gordon	(435) 781-4424	
NRS/Enviro Scientist	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist	Chuck Macdonald	435) 781-4441	(435) 828-7481
NRS/Enviro Scientist	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist	Holly Villa	(435) 781-4404	(435) 828-3544
		Fax: (435) 781-3420	

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.

- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.

- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC COAs: NBU 922-33ET

DOI-BLM-UT-G010-2009-0345-EA

- Surface Conditions of Approval or monitoring are listed in the Surface Use Plan of the APDs.

- Spot monitor the construction of the pit by a qualified, permitted paleontologist. Report all mitigation-curation of vertebrates and other scientifically significant fossils that may be affected by the construction.

- During operations, if any vertebrate paleontological resources are discovered, in accordance with **Section 6 of Form 3100-11 and 43CFR 3162.1,** all operations affecting such sites shall be immediately suspended, and all discoveries shall be left intact until authorized to proceed by the Authorized Officer. The appropriate Authorized Officer of the Vernal BLM office shall be notified within 48 hours of the discovery, and a decision as to the preferred alternative/course of action will be rendered.

- An Interim Surface Reclamation Plan for surface disturbance on the well pad, access road, and pipeline will be completed. At a minimum, this will include the Best Management Practice of the reshaping of the pad to the original contour to the extent possible; the re-spreading of the top soil up to the rig anchor points; and, reseeding the area using appropriate reclamation methods. The areas of the location not needed for production operations, including portions of the pad and the reserve pits, will have the stock piled top soil spread evenly over the reclaimed surface, and be seeded with the recommended seed mix shown below. If it is determined that this well site will be used as a multi-well site the interim reclamation will be delayed until all wells are constructed at the site.

- Interim Reclamation seed mix

Hy/crest crested wheatgrass	*Agropyron cristatum*	3 lbs. /acre
needle and threadgrass	*Stipa comat*	3 lbs. /acre
globemallow	*Spaeralcea coccinea*	1 lbs. /acre
shadscale	*Atriplex confertifolia*	2 lbs. /acre
fourwing saltbush	*Atriplex canescens*	3 lbs. /acre

- Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil re-spread over the surface; and, the surface re-vegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeding.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- Surface casing cement shall be brought up and into the surface. Top of Cmnt is to reach surf. For the Surface casing cementing program (operator's specified Option 1 where well does not circulate water), operator is required to pump additional cement beyond the stated amounts in application.

- Production casing cement shall be brought up and into the surface casing. Production casing minimum cement top is 1400 ft. The minimum cement top is approximately 0700 ft above the surface casing shoe.
  Cmnt Top (TOC) standard will place cmnt behind casing across formation lost circulation zone, Birds Nest Zone.
  COA specification fulfills operators performance standard stated in APD (where operators toc is calc'd with an excess to reach surface).

- Operator is to notify BLM Vernal Field Office and active gilsonite mining operator (or lease holder) located within a 2 mile radius, 48 hours prior to pad explosives blasting. Well is not close to gilsonite vein, but on trend to gilisonite vein deposits.

- A copy of Kerr McGee's Standard Operating Practices (SOP version: dated 7/17/08 and approved 7/28/08) shall be on location.

- Drilling plan specifics and practices are referenced in the Kerr McGee Oil & Gas Standard Operating Procedures (SOP version: July 28, 2008). The operators drilling plan items 3 to 9 reference the SOP. Kerr McGee shall adhere to the referenced requirements in the SOP.
  Kerr McGee and their contractors shall adhere to all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders except where variances have been granted.

- Covering air/gas drilling operations, requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. Drilling Operations, Special Drilling Operations, air/gas drilling.

- A Gamma Ray well Log shall be run from the well Total Depth to the surface.
  A copy of the Gamma Ray well Log shall be submitted to the BLM Vernal Field Office.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.
    - Well name and number.
    - Well location (¼¼, Sec., Twn, Rng, and P.M.).
    - Date well was placed in a producing status (date of first production for which royalty will be paid).
    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
    - Unit agreement and/or participating area name and number, if applicable.
    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

API Well No: 43047500800000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 922-33ET

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047500800000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2446 FNL 0673 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 33 Township: 09.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 8/30/2009	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.

Approved by the Utah Division of Oil, Gas and Mining

Date: August 27, 2009

By: Dustin Doucet

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE N/A		**DATE** 8/26/2009

RECEIVED August 26, 2009

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047500800000

API: 43047500800000
Well Name: NBU 922-33ET
Location: 2446 FNL 0673 FWL QTR SWNW SEC 33 TWNP 090S RNG 220E MER S
Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.
Date Original Permit Issued: 9/15/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

Approved by the Utah Division of Oil, Gas and Mining

Signature: Danielle Piernot **Date:** 8/26/2009
Title: Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, LP

Date: August 27, 2009

By: 

RECEIVED August 26, 2009

API Well No: 43047500800000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 922-33ET

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047500800000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 **PHONE NUMBER:** 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2446 FNL 0673 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 33 Township: 09.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 9/15/2010	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
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	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.

Approved by the Utah Division of Oil, Gas and Mining

Date: September 20, 2010

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE		**DATE**
N/A		9/15/2010

RECEIVED September 15, 2010

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047500800000

API: 43047500800000
Well Name: NBU 922-33ET
Location: 2446 FNL 0673 FWL QTR SWNW SEC 33 TWNP 090S RNG 220E MER S
Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.
Date Original Permit Issued: 9/15/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

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- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

Approved by the Utah Division of Oil, Gas and Mining

Signature: Danielle Piernot **Date:** 9/15/2010
Title: Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, LP

Date: September 20, 2010

By: Dustin Doucet

RECEIVED September 15, 2010

Federal Approval of this Action is Necessary

API Well No: 43047500800000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191A

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 922-33ET

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047500800000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 **PHONE NUMBER:** 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2446 FNL 0673 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 33 Township: 09.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ **NOTICE OF INTENT** Approximate date work will start: 11/4/2010	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ **SUBSEQUENT REPORT** Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	✓ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ **SPUD REPORT** Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ **DRILLING REPORT** Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests to change the total depth (TD) to include the Blackhawk formation, which is in the Mesaverde group for this well. Please see the attached for additional details. All of the original information remains the same. Please contact the undersigned with any questions and/or comments. Thank you.

Approved by the Utah Division of Oil, Gas and Mining

Date: October 28, 2010

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE N/A		**DATE** 10/27/2010

RECEIVED October 27, 2010

KERR-McGEE OIL & GAS ONSHORE LP

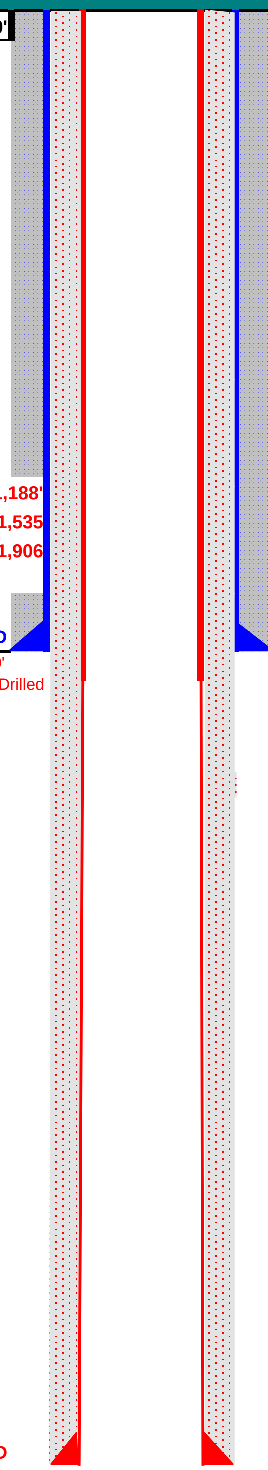
DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP	DATE	October 27, 2010
WELL NAME	**NBU 922-33ET**	TD	10,070' TVD 10,070' MD
FIELD	Natural Buttes	COUNTY Uintah STATE Utah	FINISHED ELEVATION 4,937'
SURFACE LOCATION	SW/4 NW/4 2,446' FNL 673' FWL Sec 33 T 9S R 22E	BHL	Straight Hole
	Latitude: 39.993081 Longitude: -109.452019 NAD 83		
OBJECTIVE ZONE(S)	Wasatch/Mesaverde		
ADDITIONAL INFO	Regulatory Agencies: BLM (MINERALS), BLM (SURFACE), UDOGM, Tri-County Health Dept.		

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'		14"	
	Green River @	1,188'	11"	8-5/8", 28#, IJ-55, LTC	Air mist
	Top of Birds Nest @	1,535'			
	Mahogany @	1,906'			
	Preset f/ GL @	2,360' MD			
Mud logging program TBD Cased hole logging program from TD - surf csg	Wasatch @	4,411' TVD	7-7/8"	4-1/2" 11.6# HCP-110 or equivalent BTC/LTC csg	Water / Fresh Water Mud 8.3-12.8 ppg
	Mverde @	6,906' TVD			
	MVU21 @	7,795' TVD			
	MVU1 @	8,410' TVD			
	Sego @	9,097' TVD			
	Castlegate @	9,209' TVD			
	MN5 @	9,656' TVD			
Max anticipated Mud required 12.8 ppg	TD @	10,070' TVD 10,070' MD			

All water flows encountered while drilling will be reported to the appropriate agencies.

Note: 11" surface hole will usually be drilled ±400' below the lost circulation zone (aka bird's nest). Drilled depth may be ±200' of the estimated set depth depending on the acutal depth of the loss zone.



RECEIVED October 27, 2010

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL			WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'								
								3,390	1,880	348,000
SURFACE	8-5/8"	0	to	2,360'	28.00	IJ-55	LTC	0.76	1.70	5.21
								10,690	8,650	367,000
PRODUCTION	4-1/2"	0	to	10,070'	11.60	HCP-110	BTC	4.83	1.29	3.91

*Burst on suface casing is controlled by fracture gradient as shoe with gas gradient above. D.F. = 2.28

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)
(Burst Assumptions: TD = 12.8 ppg) 0.22 psi/ft = gradient for partially evac wellbore
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MASP 4,372 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD
(Burst Assumptions: TD = 12.8 ppg) 0.65 psi/ft = bottomhole gradient
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MABHP 6,588 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500'	Premium cmt + 2% CaCl	180	60%	15.80	1.15
Option 1			+ 0.25 pps flocele				
	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt	270	0%	15.80	1.15
			+ 2% CaCl + 0.25 pps flocele				
SURFACE		**NOTE: If well will circulate water to surface, option 2 will be utilized**					
Option 2	LEAD	1,860'	65/35 Poz + 6% Gel + 10 pps gilsonite	170	35%	11.00	3.82
			+ 0.25 pps Flocele + 3% salt BWOW				
	TAIL	500'	Premium cmt + 2% CaCl	150	35%	15.80	1.15
			+ 0.25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.80	1.15
PRODUCTION	LEAD	3,910'	Premium Lite II + 3% KCl + 0.25 pps	290	20%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	6,160'	50/50 Poz/G + 10% salt + 2% gel	1,290	20%	14.30	1.31
			+ 0.1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe
PRODUCTION	Float shoe, 1 jt, float collar. No centralizers will be used.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: John Huycke / Emile Goodwin

DRILLING SUPERINTENDENT: John Merkel / Lovel Young

SUBMIT AS EMAIL | Print Form

BLM - Vernal Field Office - Notification Form

Operator KERR-McGEE OIL & GAS Rig Name/# BUCKET RIG
Submitted By ANDY LYTLE Phone Number 720.929.6100
Well Name/Number NBU 922-33ET
Qtr/Qtr SWNW Section 33 Township 9S Range 22E
Lease Serial Number UTU-01191A
API Number 4304750080

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 01/13/2011 11:00 HRS AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☑ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

RECEIVED
JAN 11 2011
DIV. OF OIL, GAS & MINING

Date/Time 02/03/2011 00:00 HRS AM ☐ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ _____ AM ☐ PM ☐

Remarks ESTIMATED DATE AND TIME. PLEASE CONTACT KENNY GATHINGS AT 435.828.0986 OR LOVEL YOUNG AT 435.781.7051

API Well No: 43047500800000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 922-33ET

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047500800000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2446 FNL 0673 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 33 Township: 09.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
✓ SPUD REPORT Date of Spud: 1/13/2011	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'.
RAN 14" 36.7# SCHEDULE 10 CONDUCTOR PIPE. CMT W/28 SX READY MIX.
SPUD WELL LOCATION ON JANUARY 13, 2011 AT 10:30 HRS.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY 01/18/2011

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Gina Becker	720 929-6086	Regulatory Analyst II
SIGNATURE N/A		**DATE** 1/14/2011

RECEIVED January 14, 2011

API Well No: 43047500800000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047500800000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

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FOOTAGES AT SURFACE: 2446 FNL 0673 FWL
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COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 1/10/2011	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore LP (Kerr-McGee) respectfully requests to change the surface hole size FROM: 11" TO: 12 1/4". Please see the attached drilling program for additional details. All other information remains the same. Please contact the undersigned with any questions and/or comments. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining

Date: 01/20/2011

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE N/A		**DATE** 1/10/2011

RECEIVED January 10, 2011

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP			DATE	January 6, 2011
WELL NAME	**NBU 922-33ET**			TD	10,070' TVD 10,070' MD
FIELD	Natural Buttes	COUNTY	Uintah	STATE	Utah	FINISHED ELEVATION	4,937'
SURFACE LOCATION	SW/4 NW/4	2,446' FNL	673' FWL	Sec 33	T 9S	R 22E	BHL	Straight Hole
	Latitude: 39.993081		Longitude: -109.452019			NAD 83		
OBJECTIVE ZONE(S)	Wasatch/Mesaverde							
ADDITIONAL INFO	Regulatory Agencies: BLM (MINERALS), BLM (SURFACE), UDOGM, Tri-County Health Dept.							

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'	14"		
			12.25"	8-5/8", 28#, IJ-55, LTC	Air mist

All water flows encountered while drilling will be reported to the appropriate agencies.

Green River @	**1,188'**
Top of Birds Nest @	**1,535**
Mahogany @	**1,906**
Preset f/ GL @	**2,360' MD**

Note: 11" surface hole will usually be drilled ±400' below the lost circulation zone (aka bird's nest). Drilled depth may be ±200' of the estimated set depth depending on the acutal depth of the loss zone.

Wasatch @	**4,411' TVD**
Mverde @	**6,906' TVD**
MVU21 @	**7,795' TVD**
MVU1 @	**8,410' TVD**
Sego @	**9,097' TVD**
Castlegate @	**9,209' TVD**
MN5 @	**9,656' TVD**

Mud logging program TBD

Cased hole logging program from TD - surf csg

		7-7/8"	4-1/2" 11.6# HCP-110 or equivalent BTC/LTC csg
			Water / Fresh Water Mud 8.3-12.8 ppg

Max anticipated Mud required 12.8 ppg

TD @ 10,070' TVD 10,070' MD

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL			WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'								
								3,390	1,880	348,000
SURFACE	8-5/8"	0	to	2,360'	28.00	IJ-55	LTC	0.76	1.70	5.21
								10,690	8,650	367,000
PRODUCTION	4-1/2"	0	to	10,070'	11.60	HCP-110	BTC	4.83	1.29	3.91

*Burst on suface casing is controlled by fracture gradient as shoe with gas gradient above. D.F. = 2.28

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)
(Burst Assumptions: TD = 12.8 ppg) 0.22 psi/ft = gradient for partially evac wellbore
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MASP 4,372 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD
(Burst Assumptions: TD = 12.8 ppg) 0.65 psi/ft = bottomhole gradient
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MABHP 6,588 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500'	Premium cmt + 2% CaCl	290	60%	15.80	1.15
Option 1			+ 0.25 pps flocele				
	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt	430	0%	15.80	1.15
			+ 2% CaCl + 0.25 pps flocele				
SURFACE		**NOTE: If well will circulate water to surface, option 2 will be utilized**					
Option 2	LEAD	1,860'	65/35 Poz + 6% Gel + 10 pps gilsonite	280	35%	11.00	3.82
			+ 0.25 pps Flocele + 3% salt BWOW				
	TAIL	500'	Premium cmt + 2% CaCl	250	35%	15.80	1.15
			+ 0.25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.80	1.15
PRODUCTION	LEAD	3,910'	Premium Lite II + 3% KCl + 0.25 pps	290	20%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	6,160'	50/50 Poz/G + 10% salt + 2% gel	1,290	20%	14.30	1.31
			+ 0.1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe
PRODUCTION	Float shoe, 1 jt, float collar. No centralizers will be used.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: John Huycke / Emile Goodwin

DRILLING SUPERINTENDENT: John Merkel / Lovel Young

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: P.O. Box 173779
city DENVER
state CO zip 80217
Phone Number: (720) 929-6100

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750080	NBU 922-33ET		SWNW	33	9S	22E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
B	99999	2900	1/13/2011			1/26/2011	

Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD
SPUD WELL LOCATION ON 01/13/2011 AT 10:30 HRS.

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

GINA BECKER
Name (Please Print)

Signature

REGULATORY ANALYST
Title

1/14/2011
Date

RECEIVED
JAN 18 2011
DIV. OF OIL, GAS & MINING

(5/2000)

API Well No: 43047500800000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

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5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 922-33ET

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047500800000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 **PHONE NUMBER:** 720 929-6515 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2446 FNL 0673 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 33 Township: 09.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 2/7/2011	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
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	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PROPETRO AIR RIG #11 ON FEBRUARY 4, 2011. DRILLED 12 1/4" SURFACE HOLE TO 2380'. RAN 8 5/8" 28# IJ-55 SURFACE CSG. PUMP 140 BBLS FRESH WATER. PUMP 20 BBLS GEL WATER. LEAD CEMENT W/ 275 SX CLASS G PREM @ 11.0 PPG, 3.82 YD. TAILED CEMENT W/ 250 SX CLASS G PREM LITE @ 15.8 PPG, 1.15 YD. NO CIRC. DROP PLUG ON THE FLY. DISPLACED W/ 143 BBLS WATER. LIFT PRESSURE 250 PSI, BUMP PLUG & HOLD 800 PSI FOR 5 MIN. FLOAT HELD. TOP OUT #1 W/ 100 SX CLASS G PREM LITE @ 15.8 PPG, 1.15 YD. CEMENT FELL. TOP OUT #2 W/ 100 SX SAME CEMENT. NO CMT TO SURFACE. WILL HAVE PETE MARTIN RIG TOP OFF SURFACE. WORT.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
2/8/2011

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Gina Becker	720 929-6086	Regulatory Analyst II
SIGNATURE N/A		**DATE** 2/8/2011

SUBMIT AS EMAIL | Print Form

BLM - Vernal Field Office - Notification Form

Operator ANADARKO Rig Name/# PIONEER 69
Submitted By DALTON KING Phone Number 435-828-0982
Well Name/Number NBU 922-33ET
Qtr/Qtr SW/NW Section 33 Township 9S Range 22E
Lease Serial Number UTU-01191A
API Number 43-047-50080

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Date/Time _____ _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

☐ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

Date/Time _____ _____ AM ☐ PM ☐

BOPE

☑ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time 03/03/2011 04:00 AM ☑ PM ☐

Remarks TIME IS ESTIMATED

RECEIVED
MAR 0 1 2011
DIV. OF OIL, GAS & MINING

API Well No: 43047500800000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
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FINISHED DRILLING FROM 2380' TO 10,073 ON MARCH 13, 2011. RAN 4 ½" 11.6# P 110 PRODUCTION CSG. PUMP 40 BBLS SPACER, LEAD CEMENT W/ 500 SX CLASS G PREM LITE @ 12.3 PPG, 2.12 YD. TAILED CEMENT W/ 1360 SX CLASS G 50/50 POZ MIX @ 14.3 PPG, 1.31 YD. DISPLACED W/ 155 BBLS CLAYTREAT WATER. FINAL LIFT 3000 PSI, BUMPED PLUG @ 3500 PSI, FLOATS HELD. 25 BBLS LEAD CEMENT BACK TO PIT. EST TOP OF TAIL 3400'. RD CEMENTERS AND CLEANED PITS. RELEASED PIONEER RIG #69 ON MARCH 16, 2011 @ 03:00 HRS.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Gina Becker	720 929-6086	Regulatory Analyst II
SIGNATURE N/A		**DATE** 3/16/2011

SUBMIT AS EMAIL | Print Fo

BLM - Vernal Field Office - Notification Form

Operator ANADARKO Rig Name/# PIONEER 69
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Qtr/Qtr SW/NW Section 33 Township 9S Range 22E
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Date/Time 3/14/2011 8:00 AM ☐ PM ☑

BOPE

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- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ _____ AM ☐ PM ☐

Remarks TIME IS APPROXAMATE

RECEIVED
MAR 1 4 2011
DIV. OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

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COUNTY: UINTAH

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TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
✓ DRILLING REPORT Report Date: 3/31/2011	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 03/31/2011 AT 12:00 PM. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Sheila Wopsock	435 781-7024	Regulatory Analyst
SIGNATURE N/A		**DATE** 3/31/2011

RECEIVED Mar. 31, 2011

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. UTU01191A

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No. UTU63047A

2. Name of Operator KERR MCGEE OIL & GAS ONSHORE LP — Contact: GINA T. BECKER — E-Mail: gina.becker@anadarko.com

8. Lease Name and Well No. NBU 922-33ET

3. Address POBOX 173779 DENVER, CO 80217

3a. Phone No. (include area code) Ph: 720-929-6086

9. API Well No. 43-047-50080

4. Location of Well (Report location clearly and in accordance with Federal requirements)* BHL reviewed by HSM

At surface SWNE 2446FNL 673FWL 39.993082 N Lat, 109.452020 W Lon

At top prod interval reported below SWNE 2446FNL 673FWL 39.993082 N Lat, 109.452020 W Lon

At total depth SWNE 2563 FNL 692 FWL 39.993082 N Lat, 109.452020 W Lon

10. Field and Pool, or Exploratory NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey or Area Sec 33 T9S R22E Mer SLB

12. County or Parish UINTAH

13. State UT

14. Date Spudded 01/13/2011

15. Date T.D. Reached 03/13/2011

16. Date Completed ☐ D & A ☒ Ready to Prod. 03/31/2011

17. Elevations (DF, KB, RT, GL)* 4937 GL

18. Total Depth: MD 10073 TVD 10070

19. Plug Back T.D.: MD 10025 TVD 10022

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GRRCBL-BHV-SD/DSN/ACTR

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STL	36.7		40		28			
12.250	8.625 IJ-55	28.0		2367		920		0	
7.875	4.500 P110	11.6		10065		1869		122	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	9517							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	WASATCH	6870	6872	6870 TO 6872	0.360	6	OPEN
B)	MESAVERDE	6918	9763	6918 TO 9763	0.360	194	OPEN
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
6870 TO 9763	PUMP 13,681 BBLS SLICK H20 & 486,445 LBS SAND

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
03/31/2011	04/04/2011	24	→	0.0	3400.0	750.0			FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
20/64	2357	3075.0	→	0	3400	750		PGW

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

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MAY 10 2011
DIV. OF OIL, GAS & MINING

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #107529 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
GREEN RIVER	1126				
BIRD'S NEST	1497				
MAHOGANY	1988				
WASATCH	4418	6900			
MESAVERDE	6900	10073			

32. Additional remarks (include plugging procedure):
Attached is the chronological well history & final survey. Completion chrono details individual frac stages.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #107529 Verified by the BLM Well Information System.
For KERR MCGEE OIL & GAS ONSHORE,L, sent to the Vernal

Name *(please print)* GINA T. BECKER Title REGULATORY ANALYST

Signature (Electronic Submission) Date 05/04/2011

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-33ET	Spud Conductor: 1/13/2011	Spud Date: 2/5/2011	
Project: UTAH-UINTAH	Site: NBU 922-33ET PAD		Rig Name No: PROPETRO 11/11, PIONEER 69/69
Event: DRILLING	Start Date: 1/10/2011		End Date: 3/16/2011
Active Datum: RKB @4,955.00ft (above Mean Sea Level)	UWI: SW/NW/0/9/S/22/E/33/0/0/26/PM/N/2446/W/0/673/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
2/4/2011	12:30 - 0:00	11.50	MIRU	01	A	P		MOVE RIG AND ALL EQUIPMENT FROM PREVIOUS LOCATION, START RIGGING UP
2/5/2011	0:00 - 13:30	13.50	MIRU	01	B	P		DRESS TOP OF CONDUCTOR. INSTALL DIVERTER HEAD AND BOWIE LINE. BUILD DITCH. MOVE RIG OVER HOLE AND RIG UP.. SET CATWALK AND PIPE RACKS. RIG UP AND PRIME PIT PUMP AND MUD PUMP.FIGHT FROZEN EQUIPMENT/ MUD MOTORS "BOTH MOTORS FROZEN
	13:30 - 14:00	0.50	PRPSPD	01	B	P		P/U 1.50 DEG BENT HOUSING HUNTING MTR SN 8066 . 7/8 LOBE .16 RPM. M/U Q506 SN 7016458 1ST RUN, W/ 6-18'S. INSTALL RUBBER
	14:00 - 15:30	1.50	DRLSUR	02	A	P		SPUD SURFACE 02/05/2011 @ 14:00 DRILL 40'- 210' ('170, 113'/HR) WOB 15-20K RPM 40, MOTOR RPM 85, GPM 550, ON/OFF PSI-980/740 UP/DOWN/ROT=53/48/49 CIRCULATING RESERVE
	15:30 - 16:30	1.00	DRLSUR	06	A	P		TOOH, PU AND ORIENT DIR TOOLS TIH T/210
	16:30 - 0:00	7.50	DRLSUR	02	A	P		DRILL 210'-910" ('700, 93'/HR) WOB 15-20K RPM 35, MOTOR RPM 93, GPM 550, ON/OFF PSI-980/740 UP/DOWN/ROT=52/45/49 CIRCULATING RESERVE PIT
2/6/2011	0:00 - 23:30	23.50	DRLSUR	02	A	P		DRILL 910'- 2380' (1470', 62.5'/HR) WOB 15-20K RPM 35, MOTOR RPM 93, GPM 550, ON/OFF PSI-1490/1210 UP/DOWN/ROT=68/62/65 LOST TOTAL CIRC @ 1630', DRILL W/ AIRIATED H2O TO TD.
	23:30 - 0:00	0.50	DRLSUR	05	F	P		CIRC AND COND HOLE CLEAN
2/7/2011	0:00 - 4:30	4.50	DRLSUR	06	A	P		TOOH, LDDS AND DIR BHA
	4:30 - 6:00	1.50	CSG	12	A	P		RIG UP TO RUN SURFACE CSG, MOVE PIPE RACKS AND CATWALK, MOVE TRUCKS OFF LOCATION , MOVE CSG OVER TO WORK AREA.
	6:00 - 10:00	4.00	CSG	12	C	P		HELD SAFETY MEETING, RUN CSG. RAN 51JTS OF 8-5/8", 28#, J-55, 8 RND SURFACE CSG W/ LTC THREADS. LANDED FLOAT SHOE @ 2352.55' KB. RAN BAFFLE PLATE IN TOP OF SHOE JT LANDED 2263.46' KB. FILL CSG @ 500', 1500', AND 2380' RIG DOWN AND RELEASE RIG 2/7/2011 @ 10:00

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-33ET	Spud Conductor: 1/13/2011	Spud Date: 2/5/2011
Project: UTAH-UINTAH	Site: NBU 922-33ET PAD	Rig Name No: PROPETRO 11/11, PIONEER 69/69
Event: DRILLING	Start Date: 1/10/2011	End Date: 3/16/2011
Active Datum: RKB @4,955.00ft (above Mean Sea Level)	UWI: SW/NW/0/9/S/22/E/33/0/0/26/PM/N/2446/W/0/673/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	10:00 - 14:00	4.00	CSG	12	E	P		HOLD SAFETY MEETING. INSTALL CEMENT HEAD. PSI TEST TO 2000 PSI. PUMP 140 BBLS OF 8.3# H20 AHEAD. NO CIRC. PUMP 20 BBLS OF 8.4# GEL WATER AHEAD. NO CIRC. PUMP 275 SX(187 BBLS) 11# 3.82 YIELD LEAD CEMENT, PUMP 250 SX (57.2 BBLS) OF 15.8# 1.15 YIELD TAIL(2% CALC, 1/4# /SK OF FLOCELE). NO CIRC. DROP PLUG ON FLY AND DISPLACE W/143 BBLS OF 8.3# H20. LIFT PRESSURE WAS 250 PSI, BUMP PLUG AND HOLD 800 PSI FOR 5 MIN. FLOAT HELD. TOP OUT, PUMP 100 SX (20.4 BBLS) OF 15.8# 1.15 YIELD TAIL(4 % CALC, 1/4# /SK OF FLOCELE) CMT FELL WAIT TWO HRS PUMP 100SX (20.4 BBLS) OF 15.8# 1.15 YIELD TAIL(4 % CALC, 1/4# /SK OF FLOCELE)."NO CMT TO SURFACE" HAd PETE MARTIN TOP OFF SURFACE CMT WITH 195 SX (38.5 bbls) OF GROUT CMT. RIG DOWN CEMENTERS AND RELEASE CEMENTERS 14:00 HRS. CONDUCTOR CASING: Cond. Depth set: 40' Cement sx used: 28 SPUD DATE/TIME: 02/05/2011 14:00 SURFACE HOLE: Surface From depth: 40' Surface To depth: 2,380 Total SURFACE hours: 32.5 Surface Casing size: 8.625" # of casing joints ran: 51 Casing set MD: 2352.55' # sx of cement: 275/250/395 Cement blend (ppg:) 11/15.8/15.8/ GROUT Cement yield (ft3/sk): 3.82/1.15/1.15 # of bbls to surface: 0 Describe cement issues: NONE Describe hole issues: LOST TOTAL CIRC # 1630'
3/1/2011	16:30 - 0:00	7.50	DRLIN1	01	E	P		RDRT MOVED PIPE BASKETS, CHOKE HOUSE, C CAN LOOSE TUBULARS, MUD FLOAT,PIPE RACKS, VARIOUS EQUIP. AND UPRIGHTS TO STAGE THEM AT THE NEW LOCATION. VERY ROUGH ROAD SO WE GOT A HEAD START ON THE RIG MOVE.
3/2/2011	0:00 - 7:00	7.00	RDMO	01	E	P		RDRT PREPARE RIG F/ MOVE

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-33ET	Spud Conductor: 1/13/2011	Spud Date: 2/5/2011	
Project: UTAH-UINTAH	Site: NBU 922-33ET PAD		Rig Name No: PROPETRO 11/11, PIONEER 69/69
Event: DRILLING	Start Date: 1/10/2011		End Date: 3/16/2011
Active Datum: RKB @4,955.00ft (above Mean Sea Level)	UWI: SW/NW/0/9/S/22/E/33/0/0/26/PM/N/2446/W/0/673/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:00 - 18:00	11.00	RDMO	01	E	P		SAFETY MEETING W/ WEST ROC, J&C CRANE, MOUNTAIN WEST, RDRT, SCOPE IN & LOWER DERRICK, SCOPE DOWN SUB, LOAD OUT TRUCKS, MOVED OUTER BUILDINGS & #1 PUMP , ROAD GIVING AWAY(3 HRS WORKING ON ROAD W/ 1 DOZER 2 GRADERS, 3 LOADS PIT RUN) , HAD TO PULL PUMPS, & ALL TRAILER LOADS UP HILL W/ DOZER ASSIST, #2 PUMP TWISTED U-JOINTS AND PUMP HAD TO BE OFF LOADED ON BED TRUCK , CARRIER HAD DOZER , GRADER & FORKLIFT ASSIST AND IS STUCK ON THE HILL (ROADS ARE VERY MUDDY & SLICK DUE TO RUN OFF) 7 BED TRUCKS, 5 HAUL TRUCKS, 2 FORKLIFTS & CRANE ON LOCATION @ 07:00 SDFN @ 1800
	18:00 - 0:00	6.00	RDMO	21	C	S		WAIT ON DAYLIGHT
3/3/2011	0:00 - 7:00	7.00	MIRU	21	A	S		WAIT ON DAYLIGHT
	7:00 - 19:00	12.00	MIRU	01	B	P		S/M W/ WEST ROC, J&C CRANE ,SET IN SUB, COOLING TOUR, PITS, PUMPS, MUD BOAT,GAS BUSTER, CARRIER ON LOCATION @ 14:00 ATTEMPTED TO SPOT IN CARRIER (LOCATION TO SHORT TO GET CARRIER ON MUD BOAT) CALLED OUT 240 TON CRANE,SET IN DD CAMP & FINISH RIGGING UP CAMPS, CRANE ON LOCATION @ 16:30 R/U & SET CARRIER & HYDRAULIC UNIT,RAISE SUB & HALF MAST DERRICK,SET LP, 80% SET IN, 40% RIGGED UP, 3 BED ,3 HAUL TRUCKS ,1 FORKLIFT & CRANE STARTED @ 07:00 ,CRANE SDFN @ 18:00, TRUCKS @ 19:00 (240 TON CRANE ON LOC @ 14:30 RELEASED @ 18:00)
	19:00 - 0:00	5.00	MIRU	21	C	S		RIG UP ELECTRICAL,SUIT CASES,GAS BUSTER, FLARE LINES, SET FLOOR PLATES
3/4/2011	0:00 - 6:00	6.00	MIRU	01	B	P		R/ U YELLOW DOG ,FLARE LINES, PASON LINES & MISC
	6:00 - 20:00	14.00	MIRU	01	B	P		RURT,SCOPE UP DERRICK, R/U FLOOR ,FINISH SETTING IN STAIRS , CAT WALK, BEAVER SLIDE,BUILD BERM TO CIRC PITS,(GRADER WORKED ON BACK YARD,HAULED IN 5 LOADS ROAD BASE TO SET BOILER & MUD LOGGERS CAMP)2 TRUCKS, FORKLIFT & CRANE STARTED @ 07:00 CRANE RELEASED @ 09:30, TRUCK RELEASED @ 16:30, SET BOP, P/U KELLY INSTALL KELLY SPINNERS
	20:00 - 23:00	3.00	MIRU	14	A	P		VISUALLY INSPECTED CASING HEAD NO LEAKS , NIPPLE UP BOP
	23:00 - 0:00	1.00	MIRU	15	A	P		S/M W/ B&C QUICK TEST, START TESTING BOP
3/5/2011	0:00 - 2:30	2.50	MIRU	15	A	P		TEST BOP, FLOOR VALVES, UPPER & LOWER KELLY VALVES, INSIDE & OUTSIDE KILL LINE & CHOKE VALVES, HCR VALVE,PIPE RAMS, BLIND RAMS, CHOKE MANIFOLD 250 PSI F/ 5 MIN 5000 PSI F/ 10 MIN, ANNULAR TO 250 PSI F/ 5 MIN, 2500 F/ 10 MIN, CASING TO 1500 F/ 30 MIN, R/D TESTER
	2:30 - 3:00	0.50	MIRU	14	B	P		CALIPER WEAR RING 8", INSTALL WEAR RING
	3:00 - 7:00	4.00	PRPSPD	06	A	P		S/M W/ KIMZEY & R/U , P/U Q506F BIT, INTEQ .20 RPG/1.5 BEND MOTOR, DIR TOOLS & ORIENT MWD, 11 DC, 3 HWDP,
	7:00 - 9:00	2.00	PRPSPD	08	A	Z		RIG REPAIR WORK ON AIR SPINNERS, LIGHT PLANT WENT DOWN, WORK ON LIGHT PLANT
	9:00 - 11:00	2.00	PRPSPD	06	A	P		P/U 53 JTS DRILL PIPE TO 2211', R/D KIMZEY
	11:00 - 12:30	1.50	PRPSPD	09	A	P		CUT & SLIP 110' DRILL LINE

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-33ET	Spud Conductor: 1/13/2011	Spud Date: 2/5/2011
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Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	12:30 - 14:00	1.50	PRPSPD	23		P		PREPARE F/ SPUD CENTER RIG ON HOLE, INSTALL DRILLING RUBBER, DRIVE BUSHINGS, SECURE STACK, PRESPUD INSPECTION, BREAK CIRC THROUGH BUSTER HAD CRACK IN SIDE OF BUSTER WHERE FLARE LINE CONNECTS
	14:00 - 19:00	5.00	PRPSPD	08	C	Z		REPLACE FUEL PUMP ON ROTARY MOTOR, REPAIR CRACK ON GAS BUSTER
	19:00 - 21:00	2.00	PRPSPD	02	F	P		DRILL CEMENT,F.E & OPEN HOLE F/ 2253' TO 2394'
	21:00 - 0:00	3.00	PRPSPD	02	B	P		DRILL F/ 2394' TO 2645' (251' @ 83.6 HR) WOB 18, RPM 60, MMRPM 98, SPM #1 PUMP 65, #2 PUMP 65, GPM 492, UP/SO/ROT 85-83-84, ON/OFF 1197-888, DIFF 309, WATER W/ GEL & POLY SWEEPS, SLIDES 2475-2483 ,2665-2675 ,2760-2765 ,2855-2865
3/6/2011	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRILL & SLIDE F/ 2645' TO 3203' (558' @ 93' HR) WOB 18, RPM 60 MMRPM 98, SPM #1 PUMP 65 ,#2 PUMP 65, 492 GPM, UP/SO/ROT 88-84-86, ON/OFF 1197-888, DIFF 309, WATER W/ GEL & POLY SWEEPS, SLIDES 2665-2675, 2760-2765, 2855-2865, 3144-3159
	6:00 - 16:00	10.00	DRLPRO	02	B	P		DRILL & SLIDE F/ 3203' TO 3964' (761' @ 76.1' HR) WOB 18-20, RPM 60, MMRPM 98, SPM #1 PUMP 65, #2 PUMP 65, GPM 492, UP/SO/ROT 107-97-100, ON/OFF 1493-994, DIFF 300-450, WATER W/ GEL & POLY SWEEPS, SLIDES 3234-3251, 3521-3543, 3616-3635, 3806-3833, 3901-
	16:00 - 16:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	16:30 - 0:00	7.50	DRLPRO	02	B	P		DRILL & SLIDE F/ 3964' TO 4595' (631' @ 84.1' HR) WOB 18-20, RPM 60, MMRPM 98,SPM #1PUMP 65, #2 PUMP 65, 492 GPM, UP/SO/ROT 118-105-111, ON/OFF 1461-1060, DIFF 305-404, WATER W/ GEL & POLY SWEEPS, SLIDES 4090-4103, 4186-4192, 4281-4291, 4379-4391, 4567-4577
3/7/2011	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRILL F/ 4595' TO 5133' (538' @ 89.6' HR) WOB18-20, RPM 60, MMRPM 98, SPM #1 PUMP 65#2 PUMP 65, GPM 492, UP/SO/ROT 125-110-120, ON/OFF 1464-1060, DIFF 305-404, WATER W/ GEL & POLY SWEEPS
	6:00 - 17:30	11.50	DRLPRO	02	B	P		DRILL F/ 5133' TO 6051' (918' @ 79.8' HR) WOB 19-21, RPM 60-65, MMRPM 106, SPM #1 PUMP 70 #2 PUMP 70, 530 GPM,UP/SO/ROT 145-125-136, 0N/OFF 1650-1267, DIFF 360-547, WATER W/ GEL & POLY SWEEPS, LOST 400 BBLS WATER
	17:30 - 18:00	0.50	DRLPRO	07	A	P		RIG SERVICE
	18:00 - 18:30	0.50	DRLPRO	02	B	P		DRILL F/ 6051' TO 6083'
	18:30 - 20:30	2.00	DRLPRO	05	A	P		DUMP MUD PITS, FILL PITS W/ FRESH WATER, DISPLACE HOLE W/ FRESH WATER, START LIGHT MUD UP
	20:30 - 0:00	3.50	DRLPRO	02	B	P		DRILL F/ 6083' TO 6272' (189' @ 54' HR) WOB 22-24, RPM 55-60, MMRPM 91, SPM 120, GPM 454, UP/SO/ROT 155-135-145, ON/OFF 1631-1197,DIFF 205-517, WT 8.8, VIS 36 , HOLE SEEPING, PUMP LCM SWEEPS, LOST 80 BBLS MUD
3/8/2011	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRILL F/ 6272' TO 6557' (285' @ 47.5' HR) WOB 21-24, RPM 55-60, MMRPM 91, SPM 120, GPM 454,UP/SO/ROT 155-130-145, ON/OFF 1724/1197,DIFF 265-583, WT 9.2, VIS 33, LOST 40 BBLS TO SEEPAGE, PUMP LCM SWEEPS

US ROCKIES REGION

Operation Summary Report

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Active Datum: RKB @4,955.00ft (above Mean Sea Level)	UWI: SW/NW/0/9/S/22/E/33/0/0/26/PM/N/2446/W/0/673/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	6:00 - 16:00	10.00	DRLPRO	02	B	P		DRILL F/ 6557' TO 7126' (569' @ 56.9' HR) WOB 21-24, RPM 55-60, MMRPM 91, SPM 120, GPM 454, UP/SO/ROT 160-135-153,ON/OFF 1780-1350, DIFF 315-600,WT 9.3, VIS 35, 2% LCM
	16:00 - 16:30	0.50	DRLPRO	07	A	P		RIG SERVICE, VISUALLY INSPECT DERRICK, FUNCTION ANNULAR
	16:30 - 0:00	7.50	DRLPRO	02	B	P		DRILL F/ 7126' TO 7505' (379' @ 50.5' HR) WOB 20-24, RPM 50-55, MMRPM 91, SPM 120, GPM 454, UP/SO/ROT 180-130-157, ON/OFF 2013-1662, DIFF 344-657, WT 10.1, VIS 35, 5% LCM, LOST 130 BBLS TO SEEPAGE
3/9/2011	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRILL F/ 7505' TO 7790' (285' @ 47.5' HR) WOB 20-24,RPM 50-55, MMRPM 91, SPM 120, GPM 454, UP/SO/ROT 175/130/157, ON/OFF 2013-1662, DIFF 300-587, WT 10.3, VIS 35, 5% LCM
	6:00 - 13:30	7.50	DRLPRO	02	B	P		DRILL F/ 7790' TO 8137' (347' @ 46.2' HR) WOB 20-25, RPM 50-55, MMRPM 91, SPM 120, GPM 454, UP/SO/ROT 176-145-162, ON/OFF 2175-1705, DIFF 238-629, WT 10.8, VIS 36, LCM 6%
	13:30 - 14:00	0.50	DRLPRO	07	A	P		RIG SERVICE , FUNCTION PIPE RAMS
	14:00 - 0:00	10.00	DRLPRO	02	B	P		DRILL F/ 8137' TO 8453' (316' @ 31.6' HR) WOB 19-25, RPM 45-55, MMRPM 91, SPM 120, GPM 454, UP/SO/ROT 180-145-164, ON/OFF 2313 -1936, DIFF 342-511, WT 11.5, VIS 37, 5% LCM, LOST 80 BBLS TO SEEPAGE
3/10/2011	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRILL F/ 8453' TO 8620' (167' @ 27.8' HR) WOB 19-25, RPM 45-55, MMRPM 91, SPM 120, GPM 454, UP/SO/ROT 180-145-154, ON/OFF 2313-1936, DIFF 342-511, WT 11.7, VIS 37, 7% LCM
	6:00 - 16:30	10.50	DRLPRO	02	B	P		DRILL F/ 8620' TO 8960' (340' @ 32.3' HR) WOB 17-22, RPM 55-65, MMRPM 91, SPM 120, GPM 454, UP/SO/ ROT 185-160-168, ON/OFF 2370-2035, DIFF 235-580, WT 12, VIS 39, LCM 7%
	16:30 - 17:00	0.50	DRLPRO	07	A	P		RIG SERVICE, FUNCTION ANNULAR
	17:00 - 0:00	7.00	DRLPRO	02	B	P		DRILL F/ 8960' TO 9140' (180' @ 25.7' HR) WOB 19-25, RPM 55-65, MMRPM 91, SPM 120, GPM 454, UP/SO/ROT 200-150-170, ON/OFF 2490-2130, DIFF, 228-576, WT 12, VIS 39, LCM 7% LOST 120 BBLS TO SEEPAGE
3/11/2011	0:00 - 6:00	6.00	DRLPRO	06	A	P		MIX & PUMP PILL TOOH, L/D DIR TOOLS, MOTOR, BIT
	6:00 - 8:00	2.00	DRLPRO	06	A	P		P/U Q 506FX BIT, INTEQ 1.1 GPR ADJUST MOTOR STRAIGHT, CHECK CENTER ON HOLE, TIH TO SHOE,
	8:00 - 9:30	1.50	DRLPRO	09	A	P		SLIP & CUT 60' DRILL LINE, FILL PIPE
	9:30 - 13:00	3.50	DRLPRO	06	A	P		TIH TAG @ 8945
	13:00 - 15:30	2.50	DRLPRO	03	A	S		KELLY UP, BREAK CIRC, WASH & REAM F/ 8945' TO 9140'
	15:30 - 16:00	0.50	DRLPRO	07	A	P		RIG SERVICE
	16:00 - 0:00	8.00	DRLPRO	02	B	P		DRILL F/ 9140' TO 9370' (230 @ 28.7' HR) WOB 20-22, RPM 50-65, MMRPM 50, SPM 120, GPM 454, UP/SO/ROT 195-150-176, ON/OFF 2260-2063, DIFF 142-387, WT 12, VIS 41, 7% LCM
3/12/2011	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRILL F/ 9370' TO 9525' (155' @ 25.8' HR) WOB 18-24, RPM 45-60, MMRPM 50, SPM 120, GPM 454, UP/SO/ROT 195-150-176, ON/OFF 2260-2063, DIFF 142-387, WT 12,VIS 41, 7% LCM
	6:00 - 12:00	6.00	DRLPRO	02	B	P		DRILL F/ 9525' TO 9673' (148' @ 24.6' HR) WOB 18-24, RPM 45-65, MMRPM 50, SPM 120, GPM 454, UP/SO/ROT 190-160-176, ON/OFF 2465-2264, DIFF 163-398, WT 12.2, VIS 40, 7% LCM

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-33ET	Spud Conductor: 1/13/2011	Spud Date: 2/5/2011
Project: UTAH-UINTAH	Site: NBU 922-33ET PAD	Rig Name No: PROPETRO 11/11, PIONEER 69/69
Event: DRILLING	Start Date: 1/10/2011	End Date: 3/16/2011
Active Datum: RKB @4,955.00ft (above Mean Sea Level)	UWI: SW/NW/0/9/S/22/E/33/0/0/26/PM/N/2446/W/0/673/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	12:00 - 12:30	0.50	DRLPRO	07	A	P		RIG SERVICE, FUNCTION ANNULAR
	12:30 - 0:00	11.50	DRLPRO	02	B	P		DRILL F/ 9673' TO 9989' (316' @ 27.4' hHR) WOB 20-25, RPM 40-60, MMRPM 50, SPM 120, GPM 454, UP/SO/ROT 208-155-186, ON/OFF 2518-2370, DIFF 75-297, WT 12.2, VIS 42, LCM 6%
3/13/2011	0:00 - 4:30	3.50	DRLPRO	02	B	P		DRILL F/ 9989' TO 10073' TD @ 0430 3/13/2011 (84' @ 24' HR) WOB 23-25, RPM 45-55, MMRPM 50, SPM 120, GPM 454, UP/SO/ROT 208-155-186, ON/OFF 2518-2370, DIFF 75-297, WT 12.2, VIS 42, 6% LCM
	4:30 - 6:00	1.50	DRLPRO	05	C	P		CIRC FOR SHORT TRIP, PUMP PILL
	6:00 - 10:00	4.00	DRLPRO	06	E	P		SHORT TRIP TO CASING SHOE, TIGHT 9398, 8921-8786, 8524-8488, 4593, 4355-4320, 4076 20K TO 50K
	10:00 - 11:30	1.50	DRLPRO	06	E	P		TIH TO 4200' ,FILL PIPE
	11:30 - 12:00	0.50	DRLPRO	07	A	P		RIG SERVICE
	12:00 - 15:00	3.00	DRLPRO	06	E	P		FINISH TIH , NO PROBLEMS
	15:00 - 17:00	2.00	DRLPRO	05	C	P		CIRC & COND F/ LOGS, 10' FLARE , PUMP PILL
	17:00 - 20:30	3.50	DRLPRO	06	B	P		TOOH TO SHOE ,TIGHT 9405, 8529 , 20K-40K
	20:30 - 23:00	2.50	DRLPRO	05	A	P		CIRC & COND F/ LOGS (SHAKE OUT LCM)
	23:00 - 0:00	1.00	DRLPRO	06	B	P		CONTINUE TOOH F/ LOGS
3/14/2011	0:00 - 1:30	1.50	DRLPRO	06	B	P		FINISH TOOH F/ LOGS , L/D MOTOR
	1:30 - 7:00	5.50	DRLPRO	11	C	P		S/M W/ HALLIBURTON R/U & RUN TRIPLE COMBO (LOGGERS DEPTH 10060')R/D TOOLS
	7:00 - 12:00	5.00	DRLPRO	11	E	P		P/U SONIC CASING INTEGRITY LOG & RUN IN HOLE CALIPERS NOT REACHING OUT FAR ENOUGH, (HALLIBURTON DID NOT HAVE THE CORRECT TOOLS TO LOG CASING) R/D HALLIBURTON
	12:00 - 15:00	3.00	DRLPRO	11	E	P		S/M W/ WEATHERFORD, R/U AND RUN 60 ARM MULTI SENSOR CALIPER LOG, FROM 2380' TO WELL HEAD, R/D LOGGERS
	15:00 - 20:00	5.00	DRLPRO	06	A	P		P/U BIT, BIT SUB TIH, FILL PIPE @ SHOE & 6000'
	20:00 - 22:00	2.00	DRLPRO	05	C	P		CIRC F/ LDDP, S/ M W/ KIMZEY & RIG UP L/D MACHINE, PUMP PILL
	22:00 - 0:00	2.00	DRLPRO	06	A	P		LDDP
3/15/2011	0:00 - 7:30	7.50	DRLPRO	06	A	P		LDDP, BREAK KELLY, L/D BHA, PULL WEAR RING
	7:30 - 17:00	9.50	DRLPRO	12	C	P		S/M W/ KIMZEY CASING R/U & RUN 236 JTS 4.5, 11.6 P110 CASING, SHOES @ 10065', FLOATS @ 10025',TOP OF MARKERS @ 6876' & 4374'
	17:00 - 20:00	3.00	DRLPRO	05	D	P		CIRC F/ CEMENT , R/D CASERS, S/M W/ BJ SERVICES, R/U CEMENTERS
	20:00 - 23:00	3.00	DRLPRO	12	E	P		PUMP 40 BBL PREFLUSH, 500 SX 12.3#, 2.12 YLD LEAD, 1369 SX 14.3#, 1.31 YLD TAIL, DISPLACE W/ 155 BBLS CLAYTREAT WATER, FINAL LIFT 3000 PSI, BUMPED PLUG @ 3500 PSI, FLOATS HELD, 25 BBLS LEAD CEMENT BACK TO PIT, EST TOP OF TAIL 3400', R/D BJ
	23:00 - 0:00	1.00	DRLPRO	14	A	P		FLUSH STACK, SET C22 SLIPS @ 115K, NIPPLE DOWN, CUT OFF CASING
3/16/2011	0:00 - 3:00	3.00	DRLPRO	14	A	P		NIPPLE DOWN, CLEAN PITS, RELEASE RIG @ 03:00, 3/16/2011 TO NBU 922-33OT

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-33ET	Spud Conductor: 1/13/2011	Spud Date: 2/5/2011
Project: UTAH-UINTAH	Site: NBU 922-33ET PAD	Rig Name No: PROPETRO 11/11, PIONEER 69/69
Event: DRILLING	Start Date: 1/10/2011	End Date: 3/16/2011
Active Datum: RKB @4,955.00ft (above Mean Sea Level)	UWI: SW/NW/0/9/S/22/E/33/0/0/26/PM/N/2446/W/0/673/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	3:00 - 3:00	0.00	DRLPRO					CONDUCTOR CASING: Cond. Depth set: 40 Cement sx used: 28 SPUD DATE/TIME: 2/5/2011 14:00 SURFACE HOLE: Surface From depth: 40 Surface To depth: 2,380 Total SURFACE hours: 32.50 Surface Casing size: 8 5/8 # of casing joints ran: 51 Casing set MD: 2,352.6 # sx of cement: 275/250/100 Cement blend (ppg:) 11/15.8/15.8 Cement yield (ft3/sk): 3.82/1.51/1.15/ # of bbls to surface: 0 Describe cement issues: NONE Describe hole issues: LOST TOTAL CIRC @ 1630' PRODUCTION: Rig Move/Skid start date/time: 3/1/2011 16:30 Rig Move/Skid finish date/time: 3/4/2011 16:30 Total MOVE hours: 72.0 Prod Rig Spud date/time: 3/5/2011 19:00 Rig Release date/time: 3/16/2011 3:00 Total SPUD to RR hours: 248.0 Planned depth MD 10,070 Planned depth TVD 10,070 Actual MD: 10,073 Actual TVD: 10,056 Open Wells $: $1,100,047 AFE $: $957,147 Open wells $/ft: $109.21 PRODUCTION HOLE: Prod. From depth: 2,394 Prod. To depth: 10,073 Total PROD hours: 154 Log Depth: 10060 Float Collar Top Depth: 10025.37 Production Casing size: 4.5, 11.6, P110 # of casing joints ran: 236 Casing set MD: 10,065.1 Stage 1 # sx of cement: 500 LEAD, 1369 TAIL Cement density (ppg:) 12.3 LEAD, 14.3 TAIL Cement yield (ft3/sk): 2.12 LEAD, 1.31 TAIL Stage 2 # sx of cement: Cement density (ppg:) Cement yield (ft3/sk): Top Out Cmt # sx of cement: Cement density (ppg:) Cement yield (ft3/sk): Est. TOC (Lead & Tail) or 2 Stage : Describe cement issues: Describe hole issues: SOME LOSSES IN WASATCH TO SEEPAGE DIRECTIONAL INFO: KOP: Max angle:

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-33ET	Spud Conductor: 1/13/2011	Spud Date: 2/5/2011	
Project: UTAH-UINTAH	Site: NBU 922-33ET PAD		Rig Name No: PROPETRO 11/11, PIONEER 69/69
Event: DRILLING	Start Date: 1/10/2011		End Date: 3/16/2011
Active Datum: RKB @4,955.00ft (above Mean Sea Level)	UWI: SW/NW/0/9/S/22/E/33/0/0/26/PM/N/2446/W/0/673/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
								Departure: Max dogleg MD:

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-33ET	Spud Conductor: 1/13/2011	Spud Date: 2/5/2011	
Project: UTAH-UINTAH	Site: NBU 922-33ET PAD		Rig Name No: ROCKY MOUNTAIN WELL SERVICE 3/3
Event: COMPLETION	Start Date: 3/28/2011		End Date: 3/31/2011
Active Datum: RKB @4,955.00ft (above Mean Sea Level)	UWI: SW/NW/0/9/S/22/E/33/0/0/26/PM/N/2446/W/0/673/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
3/28/2011	7:00 - 8:30	1.50	COMP	48		P		HSM, REVIEW RIGGING UP, PRE FRAC INTRUCTIONS. PROBLEMS W/ CANE APPROX DOWN TIME 1.5 HRS
	8:30 - 16:30	8.00	COMP	36	B	P		P/U RIH, PERFORATE LOWER MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 9,759'-9,763' 4 SPF, 90* PH, 16 HOLES. 9,733'-9,735' 4 SPF, 90* PH, 8 HOLES. 9,700'-9,702' 4 SPF, 90* PH, 8 HOLES. [32 HOLES] [MISS FIRE ON FIRST RUN, POOH FOUND BROKEN GROUND WIRE, FIXED PROBLEM RUN BACK IN HOLE SHOT STG 1] PRESSURE TEST SURFACE LINES TO 10,000# FRAC STG #1] WHP=1,040#, BRK DN PERFS=4,432#, @=4.6 BPM, INJ RT=50.1, INJ PSI=6,204#, ISIP=3,578#, FG=.80, PUMP'D 4,653 BBLS SLK WTR W/ 123,342# TLC, W/ 123,342# TOTAL PROP PUMP'D, ISIP=4,245#, FG=.87, AR=50.7, AP=6,000#, MR=52.6, MP=8,352#, NPI=667#, 32/32 CALC PERFS OPEN. 100% PERF STG #2] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN, SET CBP @=9,072', PERF MESAVERDE USING 3-1/8 EXPEND, 23 GRM, 0.36" HOLE. 9,039'-9,042' 3 SPF, 120* PH, 9 HOLES. 8,976'-8,977' 3 SPF, 120* PH, 3 HOLES. 8,860'-8,862' 3 SPF, 120* PH, 6 HOLES. 8,804'-8,806' 3 SPF, 120* PH, 6 HOLES. [24 HOLES] FRAC STG #2] WHP=1,370#, BRK DN PERFS=3,138#, @=4.1 BPM, INJ RT=49.2, INJ PSI=5,148#, ISIP=3,075#, FG=.78, PUMP'D 867 BBLS SLK WTR W/ 26,676# 30/50 MESH W/ 5000# RESIN COAT IN TAIL W/ 31,676# TOTAL PROP PUMP'D, ISIP=3,193#, FG=.79, AR=49.7, AP=5,000#, MR=50.1, MP=5,777#, NPI=118#, 24/24 CALC PERFS OPEN. 100% PERF STG #3] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN, SET CBP @=8,552', PERF MESAVERDE USING 3-1/8 EXPEND, 23 GRM, 0.36" HOLE. 8,521'-8,522' 3 SPF, 120* PH, 3 HOLES. 8,505'-8,506' 3 SPF, 120* PH, 3 HOLES. 8,459'-8,461' 3 SPF, 120* PH, 6 HOLES. 8,445'-8,446' 3 SPF, 120* PH, 3 HOLES. 8,400'-8,401' 3 SPF, 120* PH, 3 HOLES. 8,382'-8,384' 3 SPF, 120* PH, 6 HOLES. [24 HOLES] SWIFN.[WAITING ON SAND]
3/29/2011	7:00 - 7:15	0.25	COMP	48		P		HSM, POPOFFS WORKING PROPERLY,

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-33ET	Spud Conductor: 1/13/2011	Spud Date: 2/5/2011
Project: UTAH-UINTAH	Site: NBU 922-33ET PAD	Rig Name No: ROCKY MOUNTAIN WELL SERVICE 3/3
Event: COMPLETION	Start Date: 3/28/2011	End Date: 3/31/2011
Active Datum: RKB @4,955.00ft (above Mean Sea Level)	UWI: SW/NW/0/9/S/22/E/33/0/0/26/PM/N/2446/W/0/673/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:15 - 7:15	0.00	COMP	36	E	P		FRC STG #3] MESAVERE 8,382'-8,522' [24 HOLES] FRAC STG #3] WHP=1,963#, BRK DN PERFS=3,938#, @=4 BPM, INJ RT=50.5, INJ PSI=5,445#, ISIP=3,012#, FG=.78, PUMP'D 2,403 BBLS SLK WTR W/ 91,904# 30/50 MESH W/ 5000# RESIN COAT IN TAIL W/ 96,904# TOTAL PROP PUMP'D, ISIP=3,250#, FG=.82, AR=50.5, AP=5,300#, MR=51.4, MP=6,904#, NPI=238# 24/24 CALC PERFS OPEN. 100% PERF STG #4] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN, SET CBP @=8,345', PERF MESAVERDE USING 3-1/8 EXPEND, 23 GRM, 0.36" HOLE. 8,313'-8,315' 3 SPF, 120* PH, 6 HOLES. 8,284'-8,285' 3 SPF, 120* PH, 3 HOLES. 8,261'-8,263' 3 SPF, 120* PH, 6 HOLES. 8,211'-8,212' 3 SPF, 120* PH, 3 HOLES. 8,130'-8,132' 3 SPF, 120* PH, 6 HOLES. [24 HOLES] FRAC STG #4] WHP=991#, BRK DN PERFS=4,365#, @=4 BPM, INJ RT=50, INJ PSI=5,297#, ISIP=2,911#, FG=.79, PUMP'D 791 BBLS SLK WTR W/ 22,827# 30/50 MESH W/ 5000# RESIN COAT IN TAIL W/ 27,827# TOTAL PROP PUMP'D, ISIP=2,775#, FG=.77, AR=50.3, AP=5,150#, MR=52.7, MP=6,627#, NPI=-136#, 24/24 CALC PERFS OPEN. 100% PERF STG #5] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN, SET CBP @=8,093', PERF MESAVERDE USING 3-1/8 EXPEND, 23 GRM, 0.36" HOLE. 8,062'-8,063' 3 SPF, 120* PH, 3 HOLES. 8,043'-8,044' 3 SPF, 120* PH, 3 HOLES. 8,014'-8,015' 3 SPF, 120* PH, 3 HOLES. 7,919'-7,920' 3 SPF, 120* PH, 3 HOLES. 7,901'-7,902' 3 SPF, 120* PH, 3 HOLES. 7,887'-7,888' 3 SPF, 120* PH, 3 HOLES. 7,868'-7,870' 3 SPF, 120* PH, 6 HOLES. [24 HOLES] FRAC STG #5] WHP=415#, BRK DN PERFS=3,316#, @=4.8 BPM, INJ RT=50.8, INJ PSI=4,425#, ISIP=2,769#, FG=.78, PUMP'D 1,011 BBLS SLK WTR W/ 34,016# 30/50 MESH W/ 5000# RESIN COAT IN TAIL W/ 39,016# TOTAL PROP PUMP'D, ISIP=2,769#, FG=.78, AR=49.7, AP=4,300#, MR=52.8, MP=7,011#, NPI=0#, 24/24 CALC PERFS OPEN. 100% PERF STG #6] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN, SET CBP @=7,710', PERF MESAVERDE USING 3-1/8 EXPEND, 23 GRM, 0.36" HOLE. 7,678'-7,680' 3 SPF, 120* PH, 6 HOLES. 7,657'-7,658' 3 SPF, 120* PH, 3 HOLES. 7,550'-7,552' 3 SPF, 120* PH, 6 HOLES. 7,530'-7,531' 3 SPF, 120* PH, 3 HOLES. 7,502'-7.504' 3 SPF, 120* PH, 6 HOLES. [24 HOLES] FRAC STG #6] WHP=480#, BRK DN PERFS=3,019#, @=6.1 BPM, INJ RT=47, INJ PSI=4,820#, ISIP=2,645#, FG=.78, PUMP'D 1,923

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-33ET	Spud Conductor: 1/13/2011	Spud Date: 2/5/2011	
Project: UTAH-UINTAH	Site: NBU 922-33ET PAD		Rig Name No: ROCKY MOUNTAIN WELL SERVICE 3/3
Event: COMPLETION	Start Date: 3/28/2011		End Date: 3/31/2011
Active Datum: RKB @4,955.00ft (above Mean Sea Level)	UWI: SW/NW/0/9/S/22/E/33/0/0/26/PM/N/2446/W/0/673/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
								BBLS SLK WTR W/ 70,434# 30/50 MESH W/ 5000# RESIN COAT IN TAIL W/ 75,434# TOTAL PROP PUMP'D, ISIP=3,012#, FG=.83, AR=49.4, AP=4,500#, MR=50.2, MP=5,528#, NPI=367#, 24/24 CALC PERFS OPEN. 100% PERF STG #7] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN, SET CBP @=7,371', PERF MESAVERDE USING 3-1/8 EXPEND, 23 GRM, 0.36" HOLE. 7,340'-7,341' 4 SPF, 90* PH, 4 HOLES. 7,298'-7,300' 4 SPF, 90* PH, 8 HOLES. 7,268'-7,269' 4 SPF, 90* PH, 4 HOLES. 7,159'-7,160' 4 SPF, 90* PH, 4 HOLES. 7,086'-7,087' 4 SPF, 90* PH, 4 HOLES. [24 HOLES] FRAC STG #7] WHP=581#, BRK DN PERFS=2,680#, @=5.6 BPM, INJ RT=48.8, INJ PSI=5,000#, ISIP=2,289#, FG=.75, PUMP'D 1,036 BBLS SLK WTR W/ 35,390# 30/50 MESH W/ 5,000# RESIN COAT IN TAIL W/ 40,390# TOTAL PROP PUMP'D, ISIP=3,058#, FG=.86, AR=49, AP=4,550#, MR=50.1, MP=6,032#, NPI=769#, 24/24 CALC PERFS OPEN. 100% PERF STG #8] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN, SET CBP @=7,070', PERF MESAVERDE / WASATCH USING 3-1/8 EXPEND, 23 GRM, 0.36" HOLE. 7,039'7,040' 3 SPF, 120* PH, 3 HOLES. 7,006'-7,007' 3 SPF, 120* PH, 3 HOLES. 6,918'-6,922' 3 SPF, 120* PH, 12 HOLES. 6,870'-6,872' 3 SPF, 120* PH, 6 HOLES. WASATCH. [24 HOLES. FRAC STG #8] WHP=1,406#, BRK DN PERFS=2,023#, @=7.4 BPM, INJ RT=49.1, INJ PSI=4,555#, ISIP=2,317#, FG=.82, PUMP'D 997 BBLS SLK WTR W/ 46,856# 30/50 MESH W/ 5,000# RESIN COAT IN TAIL W/ 51,856# TOTAL PROP PUMP'D, ISIP=3,029#, FG=.82, AR=49.3, AP=4,300#, MR=50.5, MP=5,605#, NPI=712#, 24/24 CALC PERFS OPEN. 100% P/U RIH W/ HALIBURTON 8K CBP, SET FOR TOP KILL @=6820' TOTAL BBLS=13,681 TOTAL SAND=486,445 GALS SCALE INHIB= GALS BIOCIDE=
3/30/2011	6:45 - 7:00	0.25	COMP	48		P		HSM & JSA W/ROYAL WELL SERVICE.

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-33ET	Spud Conductor: 1/13/2011	Spud Date: 2/5/2011
Project: UTAH-UINTAH	Site: NBU 922-33ET PAD	Rig Name No: ROCKY MOUNTAIN WELL SERVICE 3/3
Event: COMPLETION	Start Date: 3/28/2011	End Date: 3/31/2011
Active Datum: RKB @4,955.00ft (above Mean Sea Level)	UWI: SW/NW/0/9/S/22/E/33/0/0/26/PM/N/2446/W/0/673/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:00 - 17:30	10.50	COMP	31	I	P		MIRU ON NBU 922-33ET. SPOT EQUIP. WHP = 0 PSI. ND FRAC VALVES NU BOPs. RU FLOOR & TBG EQUIP. PREP & TALLY TBG. PU BIT, POBS & XN NIPPLE. RIH ON 214 JTS NEW 2 3/8" 4.7# L80 TBG. TAG FILL @ 6780'. RD TBG EQUIP. RU PWR SWVL & PMP. EST CIRC. PT BOPs TO 3000 PSI. CIRC OUT 30' OF SND. CBP #1) DRLG OUT HALCO 8K CBP @ 6820' IN 15 MIN. 200 DIFF PSI. RIH TAG FILL @ 7044. C/O 33' OF SDN. FCP = 40 PSI. CBP #2) DRLG OUT HALCO 8K CBP @ 7070' IN 14 MIN. (-200) DIFF PSI. RIH TAG FILL @ 7360. C/O 29 OF SDN. FCP = 45 PSI. CBP #3) DRLG OUT HALCO 8K CBP @ 7389' IN 11 MIN. 1000 DIFF PSI. RIH TAG FILL @ 7690. C/O 37 OF SDN. FCP = 250 PSI. CBP #4) DRLG OUT HALCO 8K CBP @ 7727' IN 13 MIN. 500 DIFF PSI. RIH TAG FILL @ 8032. C/O 74 OF SDN. FCP = 180 PSI. CBP #5) DRLG OUT HALCO 8K CBP @ 8106' IN 5 MIN. 0 DIFF PSI. FCP = 175 PSI. RIH 1 JT TO 8139'. PMP 2 BPM FOR 20 BBLS. LET WELL CLEAN UP ON ANNULUS FOR 20 MIN. SWI - SDFN. FREEZE PROTECT WELL HEAD. PREP TO CONT. TO DRLG CBPs IN AM.
3/31/2011	6:45 - 7:00	0.25	COMP	48		P		HSM & JSA W/ROYAL WELL SERVICE.

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-33ET	Spud Conductor: 1/13/2011	Spud Date: 2/5/2011
Project: UTAH-UINTAH	Site: NBU 922-33ET PAD	Rig Name No: ROCKY MOUNTAIN WELL SERVICE 3/3
Event: COMPLETION	Start Date: 3/28/2011	End Date: 3/31/2011
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Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:00 - 12:00	5.00	COMP	44	C	P		WHP = 1760 PSI. EOT @ 8139'. BLOW DWN WELL. RIH TAG FILL @ 8327. C/O 27' OF SDN. FCP = 180 PSI. CBP #6) DRLG OUT HALCO 8K CBP @ 8354' IN 8 MIN. 200 DIFF PSI. RIH TAG FILL @ 8518'. C/O 60' OF SDN. FCP = 450 PSI. CBP #7) DRLG OUT HALCO 8K CBP @ 8568' IN 12 MIN. (-100) DIFF PSI. RIH TAG FILL @ 9052'. C/O 33' OF SDN. FCP = 330 PSI. CBP #8) DRLG OUT HALCO 8K CBP @ 9085' IN 8 MIN. 500 DIFF PSI. RIH & TAG FILL @ 9857'. C/O TO 9985' (127'). PBTD @ 10024'. FCP = 856 PSI. CIRC WELL CLEAN. RD PWR SWVL, RU TBG EQUIP. LD 15 JTS ON FLOAT, (15 TOTAL ON FLAOT). LND TBG ON HNGR W/300 JTS NEW 2 3/8" 4.7# L80 TBG @ 9518.66'. RD FLOOR & TBG EQUIP. ND BOP, DROP BALL, NUWH. PMP OFF BIT @ 2200 PSI. WAIT 30 MIN FOR BIT TO FALL TO BTM. TURN WELL TO F.B.C. KB 18' HANGER 0.86' XN NIPPLE 1.33' 300 JTS TBG = 9496.53' XN NIPPLE @ 9515.86" EOT @ 9516.69' (315 JTS DLVRD - 15 JTS RTND) TWTR = 14,041 BBLS TWR = 1,520 BBLS TWLTR = 12,521 SICP = 2800 PSI, SITP = 3100 PSI.
	12:00 - 12:00	0.00	PROD	50				WELL TURNED TO SALES @ 1200 HR ON 3/31/11 - 3000 MCFD, 1920 BWPD, FTP 2900#, CP 2650#, CK 20/64"
4/1/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 3400#, TP 2800#, 18/64" CK, 45 BWPH, HVY SAND, - GAS TTL BBLS RECOVERED: 2520 BBLS LEFT TO RECOVER: 11921
4/2/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 3300#, TP 2650#, 18/64" CK, 35 BWPH, MED SAND, - GAS TTL BBLS RECOVERED: 3436 BBLS LEFT TO RECOVER: 11005
4/3/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 3200#, TP 2500#, 20/64" CK, 28 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 4186 BBLS LEFT TO RECOVER: 10255
4/4/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 3050#, TP 2350#, 20/64" CK, 22 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 4786 BBLS LEFT TO RECOVER: 9655

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well Information

Well	NBU 922-33ET	**Wellbore No.**	OH
Well Name	NBU 922-33ET	**Common Name**	NBU 922-33ET
Project	UTAH-UINTAH	**Site**	NBU 922-33ET PAD
Vertical Section Azimuth	0.00 (°)	**North Reference**	True
Origin N/S		**Origin E/W**	
Spud Date	2/5/2011	**UWI**	SW/NW/0/9/S/22/E/33/0/0/26/PM/N/2446/W/0/673/0/0
Active Datum	RKB @4,955.00ft (above Mean Sea Level)		

2 Survey Name

2.1 Survey Name: Survey #1

Survey Name	Survey #1	**Company**	SCIENTIFIC DRILLING
Started	2/5/2011	**Ended**	
Tool Name	MWD	**Engineer**	Anadarko

2.1.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
14.00	0.00	0.00	14.00	0.00	0.00

2.1.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
2/5/2011	Tie On	14.00	0.00	0.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2/5/2011	NORMAL	103.00	0.85	73.65	103.00	0.19	0.63	0.19	0.96	0.96	0.00	73.65
	NORMAL	190.00	0.34	79.81	189.99	0.41	1.51	0.41	0.59	-0.59	7.08	175.92
	NORMAL	278.00	0.10	104.33	277.99	0.44	1.84	0.44	0.29	-0.27	27.86	170.54
	NORMAL	362.00	0.49	302.49	361.99	0.62	1.61	0.62	0.70	0.46	-192.67	-164.89
	NORMAL	454.00	0.26	67.23	453.99	0.91	1.47	0.91	0.73	-0.25	135.59	161.49
	NORMAL	544.00	0.60	24.11	543.99	1.42	1.85	1.42	0.50	0.38	-47.91	-66.54
	NORMAL	634.00	0.53	18.08	633.98	2.24	2.17	2.24	0.10	-0.08	-6.70	-142.64
	NORMAL	724.00	0.66	50.77	723.98	2.97	2.70	2.97	0.40	0.14	36.32	85.91
	NORMAL	814.00	0.32	24.00	813.97	3.52	3.20	3.52	0.45	-0.38	-29.74	-158.94
	NORMAL	904.00	0.40	49.58	903.97	3.96	3.55	3.96	0.20	0.09	28.42	76.71
	NORMAL	994.00	0.58	70.79	993.97	4.31	4.21	4.31	0.28	0.20	23.57	56.15
2/6/2011	NORMAL	1,084.00	0.37	74.69	1,083.97	4.54	4.92	4.54	0.24	-0.23	4.33	173.19
	NORMAL	1,174.00	0.79	57.54	1,173.96	4.95	5.73	4.95	0.50	0.47	-19.06	-31.18
	NORMAL	1,264.00	0.48	57.91	1,263.96	5.48	6.57	5.48	0.34	-0.34	0.41	179.43
	NORMAL	1,354.00	0.17	0.94	1,353.95	5.81	6.89	5.81	0.46	-0.34	-63.30	-159.80
	NORMAL	1,444.00	0.30	281.09	1,443.95	5.99	6.66	5.99	0.35	0.14	-88.72	-111.64
	NORMAL	1,534.00	0.57	229.82	1,533.95	5.75	6.09	5.75	0.50	0.30	-56.97	-82.74
	NORMAL	1,624.00	0.85	222.12	1,623.94	4.96	5.30	4.96	0.33	0.31	-8.56	-22.69
	NORMAL	1,714.00	0.67	230.44	1,713.94	4.13	4.45	4.13	0.23	-0.20	9.24	152.60
	NORMAL	1,804.00	0.74	199.00	1,803.93	3.25	3.85	3.25	0.43	0.08	-34.93	-95.72

2.1.2 Survey Stations (Continued)

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
2/6/2011	NORMAL	1,894.00	1.11	191.71	1,893.92	1.85	3.49	1.85	0.43	0.41	-8.10	-21.31
	NORMAL	1,984.00	1.05	184.42	1,983.90	0.17	3.25	0.17	0.17	-0.07	-8.10	-117.21
	NORMAL	2,074.00	0.99	184.64	2,073.89	-1.43	3.12	-1.43	0.07	-0.07	0.24	176.38
	NORMAL	2,164.00	0.85	193.02	2,163.88	-2.85	2.91	-2.85	0.22	-0.16	9.31	140.28
	NORMAL	2,254.00	0.85	222.10	2,253.87	-4.00	2.31	-4.00	0.47	0.00	32.31	104.54
	NORMAL	2,344.00	0.76	221.17	2,343.86	-4.94	1.47	-4.94	0.10	-0.10	-1.03	-172.20

2.2 Survey Name: Survey #2

Survey Name	Survey #2	**Company**	SCIENTIFIC
Started	3/5/2011	**Ended**	
Tool Name	MWD	**Engineer**	Anadarko

2.2.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
2,514.00	0.18	177.20	2,514.00	-6.52	0.94

2.2.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
3/5/2011	Tie On	2,514.00	0.18	177.20	2,514.00	-6.52	0.94	-6.52	0.00	0.00	0.00	0.00
3/5/2011	NORMAL	2,609.00	0.79	178.17	2,609.00	-7.32	0.97	-7.32	0.64	0.64	1.02	1.26
	NORMAL	2,704.00	0.09	182.83	2,703.99	-8.05	0.99	-8.05	0.74	-0.74	4.91	179.40
	NORMAL	2,799.00	0.54	186.93	2,798.99	-8.57	0.93	-8.57	0.47	0.47	4.32	4.92
	NORMAL	2,894.00	0.57	308.97	2,893.99	-8.72	0.51	-8.72	1.02	0.03	128.46	150.16
3/6/2011	NORMAL	3,083.00	0.67	197.56	3,082.98	-9.18	-0.56	-9.18	0.54	0.05	-58.95	-142.56
	NORMAL	3,274.00	0.93	323.18	3,273.97	-9.01	-1.82	-9.01	0.75	0.14	65.77	148.04
	NORMAL	3,464.00	0.55	241.70	3,463.96	-8.20	-3.55	-8.20	0.53	-0.20	-42.88	-147.34
	NORMAL	3,655.00	0.44	38.08	3,654.96	-8.06	-3.91	-8.06	0.51	-0.06	81.87	169.52
	NORMAL	3,845.00	0.26	83.45	3,844.96	-7.44	-3.03	-7.44	0.17	-0.09	23.88	144.28
	NORMAL	4,034.00	0.75	61.52	4,033.95	-6.80	-1.51	-6.80	0.27	0.26	-11.60	-32.73
	NORMAL	4,224.00	0.83	116.23	4,223.93	-6.81	0.81	-6.81	0.38	0.04	28.79	111.76
	NORMAL	4,413.00	1.67	343.26	4,412.91	-4.78	1.25	-4.78	1.23	0.44	-70.35	-148.16
	NORMAL	4,601.00	1.92	330.81	4,600.82	0.59	-1.08	0.59	0.25	0.13	-6.62	-63.66
	NORMAL	4,790.00	0.71	341.05	4,789.76	4.46	-3.00	4.46	0.65	-0.64	5.42	174.10
3/7/2011	NORMAL	4,884.00	1.83	333.45	4,883.74	6.36	-3.86	6.36	1.20	1.19	-8.09	-12.36
	NORMAL	4,980.00	1.43	327.87	4,979.70	8.74	-5.18	8.74	0.45	-0.42	-5.81	-161.13
	NORMAL	5,075.00	1.30	339.24	5,074.67	10.75	-6.20	10.75	0.32	-0.14	11.97	121.25
	NORMAL	5,389.00	1.05	319.67	5,388.61	16.28	-9.32	16.28	0.15	-0.08	-6.23	-131.45
	NORMAL	5,704.00	0.50	323.08	5,703.58	19.58	-12.01	19.58	0.18	-0.17	1.08	176.91
	NORMAL	6,215.00	0.72	126.45	6,214.57	19.45	-10.77	19.45	0.24	0.04	31.97	170.17
3/8/2011	NORMAL	6,719.00	1.37	141.58	6,718.48	12.85	-4.48	12.85	0.14	0.13	3.00	30.69
	NORMAL	7,223.00	1.76	166.04	7,222.30	0.62	1.13	0.62	0.15	0.08	4.85	72.33
3/9/2011	NORMAL	7,730.00	2.43	182.04	7,728.96	-17.68	2.63	-17.68	0.17	0.13	3.16	49.30
	NORMAL	8,236.00	2.29	182.04	8,234.53	-38.50	1.89	-38.50	0.03	-0.03	0.00	180.00
3/10/2011	NORMAL	8,739.00	2.81	163.41	8,737.04	-60.36	5.05	-60.36	0.19	0.10	-3.70	-67.43
	NORMAL	9,082.00	2.46	166.83	9,079.68	-75.59	9.13	-75.59	0.11	-0.10	1.00	157.51
3/13/2011	NORMAL	9,998.00	2.46	166.83	9,994.83	-113.87	18.08	-113.87	0.00	0.00	0.00	0.00
3/16/2011	NORMAL	10,073.00	2.46	166.83	10,069.76	-117.00	18.82	-117.00	0.00	0.00	0.00	0.00